

Chaudhary Nauman bin Nasir

Multifaceted Software Engineer And AI/ML Enthusiast

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Complex problem-solver with analytical and driven mindset. Dedicated to achieving demanding development objectives according to tight schedules while producing impeccable code with a strong academic background in AI/ML and Mobile Robotics.

Skills

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|--------------------------------------------------------|-------------------------------------------------------------------------|
| Data Structures and Algorithms | <div style="width: 100%; height: 10px; background-color: black;"></div> |
| Problem-solving abilities | <div style="width: 95%; height: 10px; background-color: black;"></div> |
| Computational Intelligence and Evolutionary Algorithms | <div style="width: 90%; height: 10px; background-color: black;"></div> |
| Research and Development | <div style="width: 85%; height: 10px; background-color: black;"></div> |
| Neural Networks | <div style="width: 80%; height: 10px; background-color: black;"></div> |

Work History

2012-01 - Current

Software Engineer

Lost Returns INC., Florida, USA (Remote)

- Managed and integrated AWS services (EC2, Route 53, Load Balancers, RDS, S3) to ensure seamless server operations.
- Developed mobile application for background location tracking, enabling real-time notifications to chosen contacts.
- Built and maintained multiple websites using Laravel framework, delivering robust and user-friendly web solutions.
- Created video conferencing application with WebRTC, supporting high-quality real-time communication.
- Developed an AI-based system to handle client calls, converting speech to text and suggesting responses for improved customer service.
- Made strategic decisions on technology and tool selection based on requirement analysis, cost, and performance considerations.
- Collaborated with cross-functional teams to deliver integrated and efficient solutions.

2021-01 - 2022-01

Software Engineer

BranditScan INC., Montreal, Canada (Remote)

- Developed web scrapers to identify unauthorized uploads of client content across various websites, enhancing the effectiveness of the content protection system.
- Implemented an AI-based system using AWS Rekognition for facial recognition, enabling the detection of client images on public Instagram and Facebook profiles.
- Analyzed and processed large datasets to improve the accuracy and efficiency of content identification and protection.

- Collaborated with cross-functional teams to integrate the content protection solutions with existing client systems, ensuring seamless operation and user experience.
- Conducted regular performance evaluations and optimizations of the web scrapers and AI systems to maintain high accuracy and reliability.
- Stayed updated with the latest advancements in web scraping and AI technologies to continuously enhance the capabilities of the content protection software.

2010-02 - 2012-01

Software Engineer

Mindblaze Technologies, Lahore, Punjab

- Collaborated with project managers to select ambitious, but realistic coding milestones on pre-release software project development.
- Corrected, modified and upgraded software to improve performance.
- Developed a browser-based simulator software for Sony Ericsson's pioneering Android phones, Xperia X10 and Sunny.
- Developed RIA and highly collaborative applications like: Virtual Classroom, Net-Meeting and Web to Print software.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs, and enhancements.

2009-03 - 2010-02

Software Developer Team Lead

Soft Shack, Gujranwala, Punjab

- Translated technical concepts and information into terms parties could easily comprehend.
- Led a team of developers in creating innovative applications, resulting in increased customer satisfaction.
- Contributed to product roadmaps by providing technical insights during planning meetings with stakeholders.
- Developed and maintained University Transport Card System
- Controlled maintenance process of University Education Software

2008-03 - 2009-01

Software Developer

Cinnova International, Lahore, Punjab

- Debugged and modified RIA software components.
- Analyzed and designed relational databases using PHP-MySQL, Heidi SQL.
- Cultivated interpersonal skills by building positive relationships with others.
- Paid attention to detail while completing assignments.
- Learned and adapted quickly to new technology and software applications.

Education

2008-03

Bachelor of Science: Computer Science

GIFT University - Gujranwala, Punjab, Pakistan

- Recipient of Best Final Year Project
- Member of Drama Society

2017-01

Master of Science: Artificial Intelligence And Robotics

National University of Computer & Emerging Science - Lahore, Punjab, Pakistan

Thesis Statement: Weight Detection of Moving Objects from Dynamic Load Cell Response using ANN

Academia Experience

- Permanent Faculty, 2018, 2023, GIFT University, Gujranwala, Pakistan, Software Project management, Algorithm Analysis, Database Administration
- Permanent Faculty, 2018, 2022, Arid Agriculture University-GIMS, Gujrat, Pakistan, Artificial Intelligence, Data Structures, Algorithm Analysis, Software Project management, Mobile Robotics, Operating System Concepts

Undergrad Projects Supervised

- Automated College Timetable Scheduling with Genetic Algorithm
- Maze Solving Robot
- Home Automation System with and without human intervention
- Video streaming from multiple platforms; web, mobile and smart glasses

References

- Dr. Kh. M. Umar Suleman, Assistant Professor and Director - Robotics Lab, University of Management and Technology UMT, Lahore, Pakistan, umar.suleman@umt.edu.pk
- Dr. Muhammad Ziad Nayyer Dar, Dean - School of Engineering and Applied Sciences, GIFT University, Gujranwala, Pakistan, dean.seas@gift.edu.pk

Languages

Urdu: Native language

English

Punjabi

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Advanced (C1)

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