ABDUL ZAHID SHAIK

Portland, OR | 9714299969 | ashaik@pdx.edu | Linkedin | Github

OBJECTIVE: Seeking a Full-time Software Engineer or AI/ML Engineer role, starting March 2025.

EDUCATION

Master of Science, Computer Science **GPA: 3.9/4.0**

Portland State University, Oregon, USA **January 2023 - March 2024**

Courses: Software Engineering, AI/ML, Large Language Models, Algorithm Design and Analysis, Data Structures, Full-Stack, DBMS, Programming languages and coding principles.

Bachelor of Engineering, Information Technology **GPA: 3.72/4.0**

Osmania University, India **April 2018 – March 2022**

PROFESSIONAL EXPERIENCE

Jr Software Engineer, Nowcom Corporation, India **March 2022 - December 2022**

- Developed responsive single-page applications using Angular, TypeScript, and RESTful APIs in an Agile environment, resulting in a 20% improvement in page load speed and enhanced user experience.
- Leveraged Angular CLI, Git, and IDEs to create scalable code, implement reactive forms with validations, and utilize Angular modules, services, and directives. Experimenting with 10+ developer tools in Agile sprints.

Front-End Developer Intern, Agrietern Technologies, India **July 2021 – October 2021**

- Implemented core e-commerce features such as product catalogs and secured checkout processes and optimized the product recommendation algorithm using linear programming techniques, resulting in a 25% increase in click-through rates and a 2000+ increase in user engagement for a startup.
- Partnered with UX/UI designers to develop interactive & brand-aligned components and collaborated with back-end teams for seamless integration, debugging, and data-driven insights using Bootstrap, NgRx, Figma, Material-UI, and Git.

Student Website Developer Intern, NgITians, India **March 2020- June 2021**

- Collaborated with a team of students to develop a student-friendly web application from scratch, featuring platforms for sharing research, club information, college notices, educational content, and an interactive leaderboard, while implementing social media functionalities that boosted user interaction by 60% and expanded the platform's reach to 600+ active users within 6 months.

TECHNICAL SKILLS

- **Languages :** Java, C++, Python, JavaScript.
- **Web Technologies:** HTML, CSS, Angular, React, RESTful APIs, AWS, CI/CD, Figma.
- **Frameworks & Tools:** Git, Bootstrap, NodeJS, Material UI, NgRx, RESTful APIs, Docker, VS Code.
- **Databases:** MySQL, MongoDB, Relational Database.
- **Concepts:** Object Oriented Programming, linear Programming, Agile, SDLC, Multi-threading, AI/ML.

TECHNICAL PROJECTS

Sudoku Puzzle Solver: Algorithm Analysis and Design

- Authored a paper analyzing the comparative performance of several algorithms for solving 100’s of SUDOKU puzzles, offering valuable insights into their strengths and limitations across different complexity levels.

Gesture-Controlled gaming Application (Computer Vision)

- Collaborated with a team of students to design and implement a web-based gaming platform utilizing Computer Vision and gesture recognition, significantly reducing traditional input device dependency by 90%.
- Employed Python and OpenCV to enhance the accuracy of real-time interpretation of complex hand movements, achieving a 95% accuracy rate while decreasing false positives by 40%.

Large Language Model - Medical Chatbot using Generative AI

- Deployed a healthcare chatbot using Generative AI models and Google Dialogflow, facilitating over 1,500 realtime health-related conversations.
- Conducted a comprehensive study on the evolution of Large Language Models (LLMs) in healthcare, advancing from basic interactions to sophisticated AI-driven solutions.
- Integrated Python, TensorFlow, PyTorch, and Hugging Face Transformers to improve chatbot accuracy by 35% and response speed by 20%.

CS 505 (R&C) – AI and Semi-Conductor industry synergy

- Spearheaded cutting-edge research on AI applications in semiconductor design and manufacturing, analyzing 50+ research papers and participating in conferences.
- Investigated cutting-edge applications of AI in semiconductor production processes, identifying emerging trends and challenges at the AI-semiconductor interface, leading to innovative solutions for industry-wide implementation.