Sumayya Fatima

Software Engineer | Full Stack Developer

Karnataka, India

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LinkedIn

PROFESSIONAL SUMMARY

Software engineer with strong foundations in data structures, algorithms, and object-oriented programming, focused on delivering results. Proficient in Java, Python, and C++ with experience designing scalable distributed systems and cloud-based solutions on AWS. Developer who takes ownership, invents and simplifies complex problems, and thrives in fast-paced, collaborative environments.

EXPERIENCE

Software Developer Intern

Codtech IT Solutions, India

Jan 2025 – Jun 2025

- Built a java Springboot microservice to process user analytics and boosting data speed by 30%.
- Partnered with cross function teams in Agile to refine features, driving higher user satisfaction.
- Integrated CI/CD pipelines and automated testing, reducing production bugs by 40%.
- Automated deployments with Docker & AWS CloudFormation, reducing release time by 50%.

Web Developer Intern

TAKE IT SMART (OPC) PVT. LTD, India

Oct 2023 – Dec 2023

- Built a distributed file sharing prototype with python & AWS S3,for data sync across nodes.
- Collaborated with UI/UX teams to revamp user interfaces, boosting engagement by 20%.
- Published research optimizing data replication reducing network overhead
- Conducted unit testing and performance profiling, ensuring robust and reliable functionality.

EDUCATION

Bachelor of Engineering in Computer Science & Engineering

Sambhram Institute of Technology, Bengaluru, India

Nov 2021 – May 2025

GPA: 7.95 / 10

- Led the OsCode coding community, organizing events and fostering peer learning.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner**, Amazon Web Services (AWS), Jul 2025
- **Microsoft Office Specialist** , Excel Certification , Jul 2025

ACHIEVEMENTS

- **Finalist, CMTI DIC (Apr 2025):** Project Smart Energy Monitor shortlisted as a top innovation for Iot based dev.

- **2nd Place, HackHerVerse Hackathon (May 2025):** BlockSecureID recognized for reducing loan-based frauds by 45%.

PROJECTS

Jal Raksha [Link](#)
Designed and developed a responsive web application to calculate and visualize individual water consumption. Achieved 95% mobile responsiveness, led to 40% faster user input completion, and educated 500+ users on water conservation.

BlockSecureID [Link](#)
Enabled real-time scam and fraud reporting via blockchain integration. Designed intuitive dashboards for user consent management, reducing fraudulent financial activities by 45% in prototype environments.

Smart Home Energy Monitor
Developed a Java-based IoT application for monitoring energy usage using AWS IoT and DynamoDB. Achieved a 20% reduction in energy cost in pilot tests .

Custom AI Agent with Memory
Engineered end to end AI/ML Pipelines in Python (Langchain), OpenAI GPT models, Whisper(speech to text), Redis for vector based storage and Next.js for Ui interface. Collaborated with stakeholders to define requirements and align AI agent features. Built scalable backend for semantic data Retrieval.

TECHNICAL SKILLS

- **Web Development:** HTML, CSS, JavaScript, React.js, Next.js, UI/UX Design, API Design

- **Programming Languages:** JavaScript, Java, Solidity, C++, Python, TypeScript

- **Backend:** Node.js, Django, Flask, MySQL, PostgreSQL, Firebase, TensorFlow, NumPy, Pandas

- **Cloud & DevOps:** AWS, GCP, Git, GitHub, CI/CD, Cloud Computing , OpenAI GPT, Langchain

- **Security:** Web Security, JWT, OAuth 2.0

- **Other Tools:** MS Excel, Power BI, Linux, Docker, Kubernetes

VOLUNTEERING

NSS Volunteer, National Service Scheme

- Volunteered in slum development, promoted smart education in government schools, and assisted in smart irrigation and water facilities in underdeveloped villages.

Team Lead, Lions Club of Bangalore

- Led institutional teams in organizing and executing various volunteering events, fostering community engagement and leadership.

Research Assistant (SAIT)

- Mentored 10+ junior students in building distributed file systems and for the development of the university coding community.