

ASHIK M P

Full Stack Developer

Riverside, CA • mpashik2001@gmail.com • +1 951-548-9431 • [Portfolio](#) • [GitHub](#) • [LinkedIn](#) • [IEEE](#)

PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with experience building scalable web applications using modern technologies. Proven track record of delivering high-impact projects, optimizing performance, and enhancing user experience. Passionate about learning new technologies and collaborating with cross-functional teams to solve complex problems.

CORE COMPETENCIES

- Full Stack Development, Database management and modeling, Cloud Computing, Automation, CI/CD & Scripting, Data Analysis, Data Visualization, Prompt Engineering and GenAI (Generative AI).

PROFESSIONAL EXPERIENCE

SHELL INDIA PVT LTD

Bangalore, IN

Software Engineer

Aug 2022 - Sep 2023

- Designed and developed backend systems to automate incident management processes, significantly improving response times and reducing manual intervention.
- I Led the integration of Python-based automation scripts with enterprise tools such as Power Apps and Power Automate, resulting in a 35% reduction in Mean-Time-To-Respond (MTTR) for critical incidents.
- Built and deployed scalable Python and Visual Basic scripts to automate backlog clearance in the Incident Management System, decreasing processing time by 75% and improving system reliability.

SOFTWARE AG

Bangalore, IN

Machine Learning Engineer

Feb 2022 - July 2022

- Designed and implemented Enterprise Knowledge Graphs to efficiently handle customer queries, reducing computation overhead by 30-50%.
- Developed custom language parsers with Python and spaCy for accurate Parts-Of-Speech tagging.
- Implemented Knowledge Graphs using Neo4j and ArangoDB to store and infer new queries.

PANASONIC INDIA PVT LTD

Bangalore, IN

Data Scientist

Feb 2021 - April 2021

- Leveraged AC (Air Conditioning) data stored on the cloud to develop novel insights on AC users.
- Performed data preprocessing, analysis, and visualization to understand AC cooling efficiency, reducing raw data by 45%.
- Utilized data visualization techniques to communicate findings and trends related to AC performance.

EDUCATION

UNIVERSITY OF CALIFORNIA, RIVERSIDE
Master's Degree, Major in Computer Science (3.7 GPA)

Riverside, CA, USA
2023 - 2025

RAMAIAH INSTITUTE OF TECHNOLOGY
Bachelor of Engineering, Major in Computer Science (3.6 GPA)

Bangalore, IN
2018 - 2022

PROJECTS

YASMP - Yet Another Social Media App is a full-stack web application built with Next.js and Firebase (Firestore, Storage, Auth). I developed backend REST APIs using Golang, deployed on Google App Engine. The app features user authentication, real-time notifications, and search functionality for connecting with other users, enhancing the social experience by allowing users to engage seamlessly. [Click here](#)

WhisperWave - A real-time chat application written in Golang, making use of its concurrency model. The application supports private messaging between two users, group chats, and real-time push notifications using secure web-socket communication. It uses technologies like AWS DynamoDB, and RabbitMQ for storing, queueing, and enabling communication between users. [Click here](#)

Neural Network Implementation from Scratch - Designed and Implemented Neural Networks from scratch using Python and NumPy, bypassing pre-built machine learning or deep learning libraries. [Click here](#)

Anime Search Index - Built a searchable anime and manga database by scraping over 100K entries from public APIs and developing a fuzzy search index with MongoDB Atlas for efficient querying. Additionally, I implemented GitHub Workflows to automatically fetch and update new anime entries in the database. [Click here](#)

ADDITIONAL INFORMATION

Technical Skills:

- **Languages** - C, C++, Java, Python, Golang, JavaScript, TypeScript, SQL, HTML, CSS.
- **Tools, Framework, and Libraries** - ReactJs, NextJs, NodeJs, MongoDB, Docker, Kubernetes, Amazon Web Services, Google Cloud Platform, Firebase, Scikit-Learn, Pandas, Matplotlib, Git & GitHub, Co-pilot, OpenAI API suite.

Certifications:

- [Docker Foundations Professional Certificate](#), [Sequence Models](#), [Neural Networks and Deep Learning](#), [NDG Linux Essentials](#)