

AAKASH / FNU AAKASH

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EDUCATION

Arizona State University

August 2023 - May 2025

Master of Science in Information Technology

GPA: 4

- Data Science, Cloud Architecture & Operations, Machine Learning, Network Forensics, Middleware prog. and Security

Poojya Doddappa Appa College of Engineering

August 2018 - May 2022

Bachelor's of Engineering in Computer Science

GPA: 8.9

- Data Structures & Algorithms, Artificial Intelligence, Database Management Systems, Object Oriented Programming, Web Development

EXPERIENCE

Saayam For All

Tempe, AZ, USA

Full Stack Developer

June 2025-Present

- Developed web and mobile features using React.js, React Native, Python, and REST APIs.
- Built and deployed Generative AI microservices with Kafka and AWS EKS.
- Utilized AWS Lambda, API Gateway, Cognito, CloudWatch, and RDS services.
- Created unit and automated tests; maintained CI/CD pipelines.
- Managed PostgreSQL and Amazon Aurora databases; documented workflows.

Aradhana Financers

Karnataka, India

Software Engineer

July 2021-Aug 2023

- Built and maintained financial software applications for loan processing, payments, and reporting.
- Developed data analytics modules for financial forecasting and payment optimization using Python, SQL, and Excel.
- Optimized SQL databases and APIs for faster financial transactions and banking integrations.
- Implemented data security, encryption, and compliance with RBI financial regulations.
- Automated data visualization dashboards using Matplotlib and Plotly, improving decision-making efficiency by 35%.
- Delivered software enhancements in an Agile environment, improving financial dashboards and customer experience.

PROJECTS

DomainDNA - 1st Place, Hack SoDA | Python, LLM, React, AWS EC2, fastapi

- Developed a custom AI-powered tool (Faith Engine) using GPT-4 for comprehensive domain history analysis.
- Built a responsive frontend using React, focusing on user-friendly design and intuitive interface.
- Created a Chrome browser extension for real-time domain safety checks.
- Implemented a robust backend using FastAPI for efficient data processing and analysis.

Melodia - 2nd Place, Sunhacks 2024 Hackathon | Python, Music Theory, AWS EC2, S3, Flask

- Developed a music enhancement tool that adds instrumental tracks to existing songs without using AI or ML.
- Spearheaded the implementation of complex music theory algorithms, enabling Melodia to analyze and match the pitch, scale, and tempo of uploaded songs.

Habitat for humanity - Top 5 in O'Hack 2024 | React, Flask, LLM, Rest API, MySQL

- Developed a comprehensive React dashboard application for Habitat for Humanity a US Based non-profit organization, enabling employees to efficiently manage surveys, analyze data, and gain insights
- Reduced data analysis efforts by 80% with an innovative "Ask Wizard" feature, enabling non-technical users to extract complex insights from survey data using natural language queries.

CERTIFICATIONS

[Research Publication](#), [AWS academy Cloud Architecting](#), [AWS Cloud Operations](#), [AWS Cloud Security Foundations](#), Runner up AWS JAM-ASU 2024, Google cloud certified, NPTEL online certification in IOT.

SKILLS

Python, Django, LLM (Large Language Model), AWS (Amazon web services), Kubernetes, Kafka, Hadoop, TensorFlow, PyTorch, LangChain, RAG, C, C++, SQL, JavaScript, PHP, HTML, CSS, TypeScript, ReactJs, NodeJs, Flask, WordPress, Docker, Git, Google Cloud Platform, CI/CD, Azure, Version control, Postman, REST API, Scrum, Agile methodologies, Jira, Selenium, SDLC, Linux, Unix, Shell Scripting, NLP, Matplotlib, NumPy, Pandas, TensorFlow, Data Visualization.