FNU AAKASH

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EDUCATION

Arizona State University   **August 2023 - May 2025**
Master's, Information Science   *GPA: 4*
- Cloud Architecture, Cloud Operation and Security, Network Forensics, Middleware prog. and Security

Poojya Doddappa Appa College of Engoineering   **August 2018 - May 2022**
Bachelor's, Computer Science   *GPA: 8.9*
- Data Structures, Artificial Intelligence, Database Management Systems, Object Oriented Programming

PROJECTS

Faith - 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.

The Vizards - Top 5 in OHack 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 75% with an innovative "Ask Wizard" feature, enabling non-technical users to extract complex insights from survey data using natural language queries.

Environmental Sound Classification - Finalist, 11th CSI-InApp International Student Project Awards 2022
• This project classifies and predicts Environmental Sounds specifically Human, Animal, and Vehicle sounds.
• Implemented using Convolutional Neural Networks(ReLU Activation Function) and data augmentation

EXPERIENCE

Arizona State University   **Tempe, AZ, USA**
Teaching assitant   *July 2024 - Present*
- Teaching Assistant for the course Introduction to Network Information Communication Technology.
- Conducted review sessions and office hours to provide additional academic support outside of regular class time.
- Collaborated with faculty to design and refine course curriculum, ensuring alignment with educational objectives
- and student needs.
- Evaluated student performance through grading assignments and final examinations, providing constructive
- feedback to promote academic growth.

CERTIFICATIONS

Runner up AWS JAM-ASU 2024, google cloud certified, NPTEL online certification in IOT.

SKILLS

Skills: MySQL, JavaScript, HTML/CSS, PHP, React.js, Node.js, Flask, Wordpress, Digital Ocean, Docker, AWS, Postman, Wireshark, NoSQL, SCRUM, Agile, C/C++, Google Cloud Platform, Linux/Unix, Git, Python, SQL
Languages: Hindi, Kannada, English