UTKARSH KISHORE

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EDUCATION

SRM Institute of Science and Technology, **Chennai, India** **Sep 2020 – Jun 2024**
Bachelor of Technology in Computer Science and Engineering
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Frontend Development, Data Visualization, Machine Learning

Arizona State University, **Tempe, AZ** **Aug 2024 – Present**
Master of Science in Software Engineering
Relevant Coursework: Advanced Data Structures and Algorithms, Software Verification, Validation and Testing, Cloud Computing, Game Design and Programming, AI for Software Engineers

COURSE PROJECTS

Feature Flag Management Platform
- Built a full stack feature flag platform with Next.js, NestJS, PostgreSQL, and Redis, delivering cached SDK evaluations under 50 ms and supporting 3 environments with role based access control.
- Designed and documented 15 plus REST endpoints with JWT auth, audit logging, and rate limiting, reducing manual release effort by 70 % in internal testing
- Automated CI/CD and infrastructure using GitHub Actions and Terraform on AWS ECS Fargate, cutting deployment time by 80 % and enabling 1 hour end to end provisioning

BlogDaily – A Blogging Website
- Developed BlogDaily, a responsive blogging website where users can create, edit, and share blog posts and improved page load times by 35% through optimized media handling.
- Built a React.js frontend with React Hooks for state management and styled using Tailwind CSS/Bootstrap, improving UI responsiveness by 40%.
- Designed a Node.js and Express.js backend with RESTful APIs to handle user authentication, blog posts, and comments, reducing server response time by 30% via routing and caching.
- Used MongoDB with Mongoose to store user profiles, posts, and comments.
- Enabled post categories, tags, and search functionality for better content organization.

PUBLICATION

Plant Disease Detection and Classification using Deep Learning, SRMIST, Chennai, India

- Collaborated with a team of 3 and published a conference paper in IEEE Xplore in April 2024.
- Processed a dataset of 3000 images and achieved an accuracy of 98%.
- Built a VGG16-based CNN with ReLU activation.

TECHNICAL SKILLS / CERTIFICATIONS

Programming: C, C++, Java, Python, PostgreSQL, HTML, CSS, JavaScript, MERN
CI/CD and DevOps: GitHub Actions, Docker, AWS(EC2,Lambda)
Version Control: Git, GitHub
Certifications: Machine Learning Specialization by Stanford University, Analyzing Big Data with SQL