YASHAS UTTANGI

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EDUCATION

Master of Science in Computer Science — Aug 2025 - Present
Northeastern University, Boston, MA
Coursework: Programming Design Paradigm, Database Management Systems

Bachelor of Engineering in Computer Science and Business Systems — 2019 - 2023
JSS Science and Technology University, Karnataka, India — CGPA: 9.46 / 10 [3rd rank]
Coursework: Design and Analysis of Algorithms, Computer Organization and Architecture, Operating Systems, Computer Networks, Database management systems, Artificial Intelligence, Software Engineering

TECHNICAL SKILLS

Programming Languages : Python, JavaScript, TypeScript, C++, Java, PL/SQL

Frameworks and Tools : React.js, Next.js, Node.js, Express.js, Material UI, Oracle, MySQL, Snowflake, MongoDB, Varicent

Cloud and ML/AI : AWS, GCP, OCI, Dockers, Kubernetes, GitHub Actions, TensorFlow, scikit-learn, spaCy, NLTK, OpenCV, Pandas, NumPy

WORK EXPERIENCE

Software Engineer | Cisco Systems, Bengaluru, India — Aug 2023 - Aug 2025

- 4 time Cisco IT Challenge coin recipient, awarded by the VP of Cisco IT for solving critical business problems and delivering high-impact solutions.
- Co-led React development for the Partner Compensation Platform, conducting peer code reviews, delivering 100+ features.
- Built a rebate modeling engine that enabled business teams to simulate rebate programs on test data, validating setups pre-production. This helped in identifying config errors, maximizing contra allocation budget while improving system accuracy and reliability by 50%.
- Developed CI/CD pipelines for React webform deployments, accelerating release cycles by 30% and ensuring faster feature delivery.
- Served as one of the primary point of contact for UAT/BAT issues, resolving over 200+ critical defects and ensuring smooth and timely releases.
- Built a Snowflake CI/CD pipeline, converting a hackathon prototype into a production-ready solution used across all teams, reducing deployment time by 40% and standardizing release process across the organization.
- Built an agentic AI chatbot using n8n and MCP paradigm to automate report generation and data retrieval, cutting down manual effort by 60%.

Technical Undergraduate Intern | Cisco Systems, Bengaluru, India — Feb 2023 - July 2023

- Developed an RPA framework using UiPath Test Automation to automate over 1200+ regression test cases, reducing the manual effort by 75% and improving the bug detection accuracy.
- Accelerated release cycles by doubling testing throughput and cutting execution time in half, enabling faster and more reliable rollouts.
- Optimized PL/SQL views and stored procedures through query tuning and indexing, cutting execution time by 40% and boosting data efficiency.

Project Intern | Tata Consultancy Services, Bengaluru, India — Jun 2022 - Aug 2022

- Built a scale model autonomous vehicle demonstrating self-driving capabilities using computer vision and sensor integration.
- Implemented real-time object detection and path planning algorithms, enabling autonomous navigation in dynamic environments.

AWS Cloud Intern | F13 Technologies, Bengaluru, India — Oct 2021 - March 2022

- Earned six AWS certifications, gaining expertise across cloud architecture, security and deployment.
- Designed and implemented cloud infrastructure solutions using AWS EC2, S3, RDS and Lambda, optimizing performance and scalability.
- Configured IAM and VPC to build secure, scalable cloud environments, adhering to AWS best practices.

PROJECTS

Placement Portal — **React, Python, FastAPI, PostgreSQL and AWS**

- Designed and developed a placement and alumni portal to manage student data, company profiles, job postings and applications, making the recruitment process faster and easier.
- Onboarded 2000+ students, cutting data collection time by 80% and reducing administrative workload.
- Recognized by the university for our work and featured in the news.

Automated Identification of Medical Prescription — **Python, NLTK, SpaCy, TensorFlow, Keras**

- Developed an intuitive and user-friendly interface that allows users to input medical prescription image and extract key medical information.
- Implemented OCR using Pytesseract to convert image to text and developed an NLP pipeline incorporating text preprocessing, tokenization, POS tagging, named entity recognition (NER), normalization, dependency parsing, contextual understanding, and post-processing.
- Implemented BERT to improve efficiency in understanding the context and achieved an accuracy of 84% and an F1 score of 0.887.

AikyaMind, Mobile App for Mental Health — **Flutter, Firebase and Google Cloud**

- Developed a mobile application in collaboration with doctors at JSS Medical College, providing features like self-diagnosis, online counselling, appointment scheduling, and educational resources.
- Implemented ML Algorithms to assess stress, anxiety, and depression levels via patient questionnaires, and built a chatbot for queries using Google Dialogflow API.
- Published on Google Play Store and actively used by hospital patients, providing a platform to mental health support.

PROFESSIONAL CERTIFICATION

- Oracle Cloud Infrastructure 2025 GenAI Professional
- Oracle Cloud Infrastructure 2025 Foundations Associate
- Oracle Cloud Infrastructure 2025 AI Foundations Associate
- Data Science @Cisco Gen AI Green Belt
- DeepLearning.ai TensorFlow Developer Certification
- Oracle Cloud Infrastructure 2019 Architect Associate