

YUVRAJ V A

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EDUCATION

Visvesvaraya Technological University(HKBK)

B. E in Computer science | CGPA: 8.18

Bangalore, India

November 2021 - August 2025

Reva Independent PU College

PUC | Percentage: 83.17%

Bangalore, India

June 2019 - September 2021

SKILLS

- **Backend:** Java, Python, FastAPI, Grails/Groovy, API design, Redis
- **Frontend:** HTML, CSS, Javascript, React(Basic)
- **Database:** SQL, NOSQL
- **Cloud Platform:** AWS
- **Data Visualization:** Power BI, MS Excel, Streamlit
- **AI:** Deep Learning, Machine Learning, Generative AI / LLM integration, Prompt Engineering, Langchain
- **Testing:** Manual Testing, Automation, Postman
- **Tools & Platforms:** Git, Docker (Basic), CI/CD

WORK EXPERIENCE

Associate Software Engineer Intern at Wonderslate Technologies (Present)

October 2025

- Developed and enhanced the front-end of the edtech platform *tattvacampus.ai* using HTML, CSS, and JavaScript, focusing on responsive UI, usability, and feature implementation.
- Independently designed and implemented REST APIs for a document translation feature, including AI/LLM integration, request-response handling, and end-to-end API workflows to support multi-language translation.
- Worked on game-based feature development using Java Grails, extending the company's legacy Grails codebase to support user interaction and educational data collection.
- Collaborated with cross-functional teams to gather requirements, translate business needs into technical solutions, and deliver features aligned with the company's edtech objectives.

Cloud Computing Intern | AWS Cloud Foundation at Gleamator Technologies LLP

March 2025 - May 2025

- Worked with core services including EC2, S3, IAM, VPC, and CloudFront.
- Explored real-time data processing using AWS Kinesis and serverless computing with Lambda.
- Studied the Netflix case study to understand large-scale cloud migration, microservices architecture, and cost optimization.
- Developed practical skills in AWS Management Console, CLI, and billing dashboards.

PROJECTS

Document Translation System | AI-Powered Language Translation Platform

October 2025 – November 2025

- Designed and developed an AI-powered document translation system, enabling automated translation of documents across multiple languages through scalable backend services.
- Independently architected and implemented RESTful APIs to handle document ingestion, processing workflows, and translation requests with structured request-response handling.
- Integrated AI/LLM models into the API pipeline for contextual and accurate language translation, including prompt orchestration, error handling, and response validation.
- Engineered the system with a focus on performance, reliability, and security, addressing latency optimization, API failure handling, and controlled usage to manage operational cost.

Object Recognition and Voice Translation for Visually Impaired People Using CNN

October 2024 – January 2025

- Designed and developed an IoT-based assistive system embedded in smart glasses to support visually impaired individuals.
- Used CNN (MobileNetSSD) with OpenCV for real-time object detection and spatial awareness.
- Integrated Natural Language Processing (NLP) to translate object names into regional languages.
- Employed text-to-speech (TTS) tools to deliver real-time audio feedback through speakers.
- Built the system using Python, Raspberry Pi, and Arduino, combining AI and embedded technology for real-world impact.

ACHIEVEMENTS

Self-paced Data Science | Devtown

July 2024

- Completed a self-paced Data Science course covering Python programming, data analysis, and machine learning fundamentals.

Power BI Dashboards

October 2024 – July 2025

- Built dashboards on HR Analytics, Heart Disease Analysis, Amazon Analysis.

LANGUAGES: English, Kannada, Hindi, Tamil, Telugu