P Bhuvan Kambley

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GitHub: https://github.com/Bhuvankambley2003

Education

National Institute of Engineering — Mysuru, India

Bachelor of Computer Science and Engineering; GPA: 8.14/10 — *Dec 2021 – present*

Skills Summary

- **Programming Languages:** Python, C++, C, JavaScript, Java, SQL, HTML5, CSS3
- **Databases:** MySQL, SQLite, MongoDB, Firebase Firestore, PostgreSQL
- **Machine Learning:** Neural Networks, Decision Trees, Ensemble Methods, Gradient Boosting, Support Vector Machines
- **Frameworks & Tools:** Django, REST API, Streamlit, Pandas, NumPy, Git, Postman, Snowflake, YouTrack, Docker Anaconda, AWS, GCP

Experience

Vegam Solutions — *Bangalore*

SDE Intern — *Feb 2025 – present*

- Currently **spearheading** the **cloud-native deployment** of **StockForge** on **AWS ECS** ensuring high availability, robust security, and scalable performance.

Dotch Endeavours — *Mysuru*

Machine Learning Intern — *Oct 2023 – Nov 2023*

- Developed a **Parkinson's Disease Prediction** algorithm using Python and leveraged libraries such as **NumPy Pandas** and **Matplotlib** for data analysis and visualization.
- Supported departmental needs while acquiring foundational knowledge in **Scikit-learn** framework for machine learning tasks. Used version control **(Git)** for code management and collaborated using **GitHub**.

Projects

StockForge | *Django, PostgreSQL, Supabase, Docker, Render* → *github*

- **Spearheading the development of** StockForge, a scalable full-stack inventory management system tailored for manufacturing enterprises.
- **Streamlined production workflows** with features like **BOM management**, **Component-to-Product Traceability**, and **enterprise-grade reporting**.
- Saved ≈**250+ man-hours annually** by automating inventory and production operations.

Blood Group Prediction from Fingerprint Images | *PyTorch, CNN, REST API, Docker, Streamlit* → *github*

- Developed a **deep learning model using CNN in PyTorch** to predict blood groups from fingerprint images, achieving a test accuracy of **92.3%**.
- **Deployed** using a **RESTful API** and developed a **Streamlit UI** for seamless end-user interaction.
- **Containerized** the application using **Docker** to enable cross-platform **scalability** and simplified deployment.

Sahaya | *Flutter, Firebase, and OpenAI API* → *github*

- Our solution for **Google GDSC 2024** addressing UN sustainable goals with features for education, poverty, and hunger received positive feedback from over **20 people and Google**.
- Implemented features to support sustainable cities, no poverty, quality education, and zero hunger.

Invoice Management System | *Django, MySQL, HTML, CSS* → *github*

- Spearheaded the design and development of a full-stack invoice management application using **Django** and **MySQL**.
- Engineered optimized **CRUD operations** to streamline invoice processing and enhance backend efficiency.
- Automated key business workflows, saving ≈**100+ hours** of manual effort annually.

Awards

Runner-up – National Level Hackathon 2024, held at PES College, Mandya. Out of **70+ participating teams**, we conceptualized and developed the **Groupie App (Github →)**, an innovative platform featuring real-time doubt resolution via chat, file sharing capabilities, and an integrated scheduling calendar. Our solution earned us the prestigious **Runner-up** position.