

P Bhuvan Kambley

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EDUCATION

- National Institute of Engineering**
Bachelor of Computer Science and Engineering; GPA: 8.14/10
Mysuru, India
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

WORK EXPERIENCE

- Vegam Solutions**
SDE Intern
Feb 2025 – present
 - Spearheading the cloud-native deployment of **StockForge** on **AWS ECS**. Ensuring high availability, robust security, and scalable performance.
- Dotch Endeavours**
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**.
 - Integrated user **role-based access controls** to ensure secure and segregated access across departments.
 - Saved **≈250+ man-hours annually** by automating inventory and production operations.
- Biometric Blood Group Prediction System** | *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.
 - Used **image augmentation techniques** (rotation, flipping, scaling) to improve generalization and combat overfitting.
- 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**.
 - Built an AI-powered **chatbot** using **OpenAI API** to assist users with educational **queries** and government scheme discovery.
 - Incorporated **Firebase** to handle donation logistics in **real-time** across multiple users.
- 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.