RAHI PADWAL

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SKILLS

Programming Languages: C, Java, Python.
Backend & Database: Flask, Node.js, Spring Boot, Express.js, FastAPI, MySQL, REST API, LangChain.
Tools: Visual Studio, GitHub, Render, Docker, Bubble.io, Microsoft Suite, Google Colab, Jupyter Notebook.

EDUCATION

MKSSS's Cummins College of Engineering for Women *July 2023 – May 2027*
B.Tech, Electronic and Telecommunication Engineering GPA: 8.1
Paradise Junior College, Pune *July 2021 – May 2023*
(XII) Science 97.27%ILE

EXPERIENCE

Willwali Malaysia (Remote)
Software Development Intern *May 2024 – October 2024*

- Engineered core workflows and backend logic using **Bubble.io's** framework, implementing automated data validation, conditional logic, and real-time user notifications.
- Integrated external **REST APIs** through Bubble's API Connector to extend app functionality and debugged and optimized client-side workflows and server actions, reducing average **response time by 20%.**
- Collaborated with senior engineers to design strategies from Bubble to a code-based architecture **(Flask/FastAPI)** for improved scalability and maintainability.

PROJECTS

SmartDocs | *GitHub* *December 2025*

- Developed a full stack SaaS document inbox that automatically classifies and routes, enterprise documents using **federated learning**, eliminating centralized data sharing and improving classification accuracy by 15%.
- Implemented using **python based federated learning** and **Spring Boot**, with **React.js** and **Next.js** frontend and **REST APIs** to support secure document uploads, auto-tagging and workflow routing, reducing manual **document sorting effort by 10%.**

Tech Stack: React.js, Next.js, Spring Boot, Python, PostgreSQL, REST APIs.

Nike price prediction | *GitHub* *August 2025*

- Built a machine learning regression model using **random forest** to predict product level profit from historical Nike sales data.
- Performed data processing, label encoding, feature selection and feature importance analysis to identify key drivers of profit and evaluated model performance using **MAE, RMSE** and **R2** metrics.

Tech Stack: Python, scikit-learn, Pandas, NumPy, matplotlib

QueryWise | Github *June 2025*

- Developed a full-stack web platform to connect, manage and query local and cloud MySQL and MongoDB databases, supporting dynamic schema visualization and query execution.
- Implemented AI-powered query assistance using Groq API to convert natural language into SQL/MongoDB queries and provide query explanations, reducing query formulation time by 40% and databases errors by 25%.

Tech Stack: Fast API, Flask, GroqAPI, MySQL, MongoDB, React.js, HTML, CSS, REST APIs.

The Answer Key | *Website Link* *February 2025*

- Developed a platform for students to access previous years' exam papers and current syllabus, using **React.js** and **Node.js + Express.js** backend, using **Google OAuth2** to restrict access to verified Cummins College accounts.
- Used **MySQL** during initial development; scaled to **Firebase Realtime Database** for smoother deployment, **serving 500+ students** in the first month with a seamless, user-friendly academic platform.
  Tech Stack: React.js, Node.js, Express.js, Passport.js, MySQL, CSS, JavaScript.

ACHEIVEMENTS

- Secured **4th place** at **Central India Hackathon** by developing a secure cloud-based application, earning post-event mentorship for technical excellence and **Top 5 Grand Finalist at Innovera National Hackathon.**
- Secured **championship** success in intercollegiate **basketball** through **leadership** and **team coordination.**
- Volunteering at an **NGO for 1 year**, supporting the rescue and **rehoming of 200+ stray animals** and assisting at the **EGO Support Desk** with outreach, inquiries, and coordination.