VAIDYULA RAJAROHAN REDDY

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SUMMARY

I am a passionate and driven computer science undergraduate with a keen interest in solving real-world problems through code. Over the past few years, I've built and contributed to various projects ranging from Android applications to full-stack web platforms. I thrive in collaborative environments and enjoy taking on challenging tasks that enhance my technical and analytical skills. My academic journey, research experience, and participation in national-level hackathons have equipped me with a solid foundation in programming, software development, and AI/ML concepts. I'm now looking forward to applying these skills in an internship setting to learn, grow, and make meaningful contributions.

EDUCATION

Bachelor of Technology in Computer Science Engineering and AIML May 2026 (Expected)
SR University, Warangal *CGPA: 9.3/10*

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, C

- **Web Development:** HTML, CSS, React.js, Node.js, Express.js, MongoDB

- **Tools:** Git, GitHub, VS Code, Postman, Android Studio, Google Chrome

- **Other:** Data Structures, Algorithms, OOP

PROJECTS

Text Summarizer Web App Jan 2025 – Mar 2025
Tech Stack: Python, Flask, React, NLP, Transformers

- Developed a full-stack web app that summarizes long-form text using extractive summarization techniques.

- Integrated Hugging Face Transformers in the Flask backend and created an interactive React frontend.

- Implemented multilingual support using `googletrans` and deployed a clean, responsive UI.

- GitHub Repository

Mobile Price Prediction Model Sep 2024 – Dec 2024
Tech Stack: Python, Scikit-learn, PCA, Jupyter Notebook

- Built a regression model to predict mobile prices using features like RAM, battery capacity, and storage.

- Applied PCA for dimensionality reduction and trained models including SVR, KNN, Ridge, and Lasso.

- Performed bootstrapping to assess prediction robustness.

- GitHub Repository

Zerodha Clone (Stock Trading Platform) Feb 2025 – Apr 2025
Tech Stack: MERN Stack (MongoDB, Express.js, React, Node.js)

- Developed a full-stack web application mimicking Zerodha's core functionalities, including stock search, portfolio tracking, and live updates.

- Implemented user authentication, real-time stock data display, and intuitive UI for seamless user experience.

- Designed RESTful APIs for trade actions and integrated responsive React components for a mobile-friendly layout.

- GitHub Repository

Meat Freshness Detection App   Jul 2023 – Aug 2023
Tech Stack: Java, XML, Android Studio, CNN, Firebase

- Developed an Android application that uses Convolutional Neural Networks (CNN) to detect meat freshness based on image analysis.

- Integrated image preprocessing and prediction logic to estimate the time since the meat was cut.

- Stored results and user inputs in Firebase for real-time data access and synchronization.

- GitHub Repository

EXPERIENCE

Research Intern – NIT Warangal   Jun 2024 – Jul 2024
Project: Meat Quality Detection using ML

- Worked on image preprocessing and CNN training for quality prediction.

- Contributed to research and analysis of detection algorithms.

CERTIFICATIONS

- Data Base Management System – NPTEL (Issued Mar 2024)

- Microsoft Certified: Azure AI Fundamentals – Microsoft

ACHIEVEMENTS

- Selected for the Prototype Phase of the National-Level "Bhasha Bandhu" Hackathon; currently(April 2025) progressing towards final submission

- Winner of Intra college Hackathon "Techstrom 25", SR University

- Top 5 finalist in National Hackathon "Epotime 25", GRIET

- Secured 11th place in National Hackathon, Shivaji Rao Kadam Institute

PUBLICATIONS

- *"Performance Evaluation of Feedforward ANN Architectures Based Wind Speed Prediction for India"*, published in IEEE Xplore.
  IEEE Xplore Link

EXTRA-CURRICULAR ACTIVITIES

- University Volleyball Team Player – Participated in Warangal level and All India Inter University level tournaments.

- Vice President – Sports Club SRU for the year 2023 – 2024