Grishma Naik

Bachelor of Technology
Computer Engineering
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EDUCATION

Degree	Institute/Board	Percentage
B.Tech., Computer Engineering	Pillai College of Engineering, Panvel, Maharashtra	65
Senior Secondary	Maharashtra State Board	69
Secondary	Maharashtra State Board	78

EXPERIENCE

- **eVCTech [⊕]** *Jan 2025 - March 2025*
  Software Solutions Intern Remote
  - Automated article processing using Python and Selenium, including dynamic webpage handling.
  - Implemented logic to extract and simplify HTML content into structured, editor-friendly reports.
  - Handled file downloads via JavaScript postbacks and ensured robustness with retry mechanisms.
  - Integrated CSV-based batch processing with logic to skip already processed articles.
  - Automated email delivery of reports and attachments to copy editors.
  - Customized UI components (date boxes, text areas) to match publishing templates and improve usability.

- **Central Railway [⊕]** *June 2024 - July 2024*
  Front End Developer Intern Thane, India
  - Designed and developed a full-stack train maintenance scheduling system tailored for use by maintenance staff, currently tested in Kalva Carshed for functionality and feasibility
  - Built a secure user authentication system with role-based access control using JWT tokens to ensure data integrity and simulate access restrictions
  - Created RESTful APIs using Express.js with detailed documentation to streamline data operations during internal testing phases
  - Improved MySQL query performance through indexing and optimization, resulting in faster response times during test runs and reduced server strain

PROJECTS

- **Bharat Bio Science – Agrochemical Product QR System** *March 2025*
  Tools: Html, CSS, Javascript, Nodejs, Render, vercel, Supabase [⌂]
  - Built a full-stack QR code verification platform for agrochemical products using Node.js, PostgreSQL, and Cloudinary.
  - Developed REST APIs to serve dynamic product details and integrated QR code generation for unique batch tracking.
  - Deployed the backend on Railway and the frontend on Vercel, configuring DNS and SSL certificates.
  - Designed a responsive frontend website to display product data, cautionary logos, and downloadable labels.
  - Created an additional static product showcase site for marketing purposes.

- **Oral Hygiene Plaque Detection** *Nov 2024*
  Tools: Python, Flask, OpenCV, Ultralytics, YOLO, MachineLearning [⌂]
  - Developed a computer vision-based web application for dental plaque analysis using Python and Flask
  - Created a robust machine learning pipeline for plaque severity classification
  - Achieved real-time image analysis with interactive web interface
  - Implemented advanced computer vision techniques using OpenCV and YOLO for accurate detection

- **Crime Pattern Analysis System** *Nov 2024*
  Tools:Python, Scikit-learn, Matplotlib, Seaborn, Scikit-learn, Google Colab [⌂]
  - Built a machine learning-based crime pattern analysis system using Python, aimed at predicting crime types based on time and location features

- Extracted and engineered temporal features (e.g., hour, day of week, quarter) from timestamp data to analyze over 2,000 real-world crime records
- Trained and evaluated K-Nearest Neighbors and Decision Tree classifiers, achieving up to 98% accuracy in multi-label crime prediction
- Visualized crime trends using density plots and hexbin charts with Seaborn and Matplotlib to identify time-location patterns
- Developed a prediction interface to identify potential crime categories for new inputs of date, time, latitude, and longitude

SKILLS

- **Programming Languages**: JavaScript (ES6+), Python, C++, Java (basics), SQL
- **Frontend**: HTML, CSS, React.js
- **Backend**: Node.js, Express.js, RESTful APIs
- **Databases**: MongoDB, MySQL, PostgreSQ, Supabase
- **Developer Tools**: VS Code, Android Studio, Git, Vercel, Railway, Cloudinary, Postman

CERTIFICATIONS

- **Udemy**, The Complete 2023 Web Development Bootcamp _Oct 2023_
- **Udemy**, Python 3:Programming beginner to advanced _July 2024_
- **Central Railway Mumbai**, Internship Completion Certificate _July 2024_
- **Peptech Bioscience Limited**, Project Completion Certificate _April 2025_
- **Great Learning**, Product Management _August 2023_

RELEVANT COURSEWORK

- **Core Computer Science**: Data Structures, Algorithms Analysis, Database Management, Operating Systems, Computer Networks
- **Advanced Topics**: Artificial Intelligence, Deep Learning, Software Engineering