

HARSH SURYAWANSHI

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My portfolio -[[Link](#)]

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Technical Skills

- **Programming Languages:** Python, Java, JavaScript, SQL.
- **Framework & Web Development:** React, Node.js, Flask, Express, RESTful API, FastAPI, MongoDB, HTML, CSS, Bootstrap, Pandas, NumPy, Scikit-learn, Matplotlib.
- **Others:** Artificial Intelligence, Machine Learning Algorithm, Data analytics, Data structure And algorithm.
- **Tools & Platforms:** Google Cloud, Git, GitHub, VMware, VS Code, Google Colab, Cypress, Docker.

PROJECT

Career Mantri: AI based Career Counseling System

Jan 2024

- Developed an AI-powered counseling platform integrating GenAI, video calling and recommendation systems using LLM and NLP for personalized student guidance.
- Implemented Twilio API for personalized career mentoring via email and SMS, enhancing engagement and outreach by 30%. Deployed a real-time analytics dashboard to track user progress and generate performance insights.

Smart Traffic Congestion Prediction Mode

Aug 2024

- Developed a real time traffic congestion model using python, Machine learning(XG Boost) and geospatial data(GPS, Time, weather) to forecast congestion levels.
- Deployed using flask with interactive dashboards(Streamlite/plotly) on Heroku/Render for live monitoring.

Job Application Tracker (with AI Resume Scoring)

Jan 2025

- Built a full-stack Job Application Tracker using FastAPI and PostgreSQL to manage job applications efficiently with secure JWT authentication.
- Designed and implemented RESTful APIs and integrated with a responsive frontend for CRUD operations and status tracking.
- Enabled filtering, categorization, and dashboard analytics for better visibility into application progress and outcomes.

Work Experience

Software Engineer Intern

Apr 2024 – Feb 2025

Micro Saas Capital

Remote, Canada

- Developed Cypress test case for Nolt application features, improving automated test coverage and reliability
- Fixed critical bugs in Cypress end-to-end test files, ensuring consistent and accurate test execution across key workflow.
- Refactored codebase by replacing CSS selectors with data-cy attributes, improving test reliability and Scalability.

Python Programming

Aug 2022

Internshala

Remote, India

- Gained hands-on experience in Python programming through Internshala, working on real-world projects utilizing libraries like NumPy, Pandas, and Flask for software development.
- Worked on data manipulation, backend development, and implemented logic for small-scale projects during the internship.

Education

Samrat Ashok Technological Institute

Vidisha, India

Bachelor of Technology in Computer Science and Engineering (AIADS)

2021 – 2025

- **GPA:** 5.8/10
- **Relevant Coursework:** Data Structure, Algorithms, Object-Oriented Programming, Machine Learning, Artificial Intelligence, Operating Systems, Computer Networks.

Extracurricular and Achievements

- Completed AI Builder course focused on training and evaluating machine learning algorithms.
- Contributed to the E-Cell Club as a Technical Member, assisting in event planning.

Certification

- **Completed Java Programming Certificate**, gaining hands-on experience with OOP concepts, data structures, and backend logic.