

Ankit Patel

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EDUCATION

B.S. with Honors Distinction in Computer Science Engineering

The Ohio State University

Overall GPA (4.00 scale) **3.97** (Summa Cum Laude)

Expected Graduation: **December 2023**

Columbus, OH

SKILLS

Programming Languages Python | Java | C# | C | C++ | Ruby | Kotlin | JavaScript | SQL | Swift | HTML & CSS

Technologies Django | Flask | TensorFlow | Android | OpenCV | MongoDB | Firebase | React | Angular

QUALIFICATIONS

- Full-Stack Development: Skilled in full-stack development, with expertise in building robust, scalable applications across various programming languages and technologies.
- Software Development: Expertise in agile software development, from concept to deployment.
- Database Design and Management: Experienced in database design, optimization, and management.
- Problem-Solving: Effective at resolving complex technical challenges to enhance efficiency and user satisfaction.
- Strong Communication Skills: Exceptional communicator, both written and verbally, adept at collaborating with cross-functional teams and stakeholders.

PROJECT EXPERIENCE

Honda Machine Learning Object Detection Pipeline

Aug 2023 - Present

Software Engineer

Columbus, OH

- Collaborating with Honda's engineering team to develop a real-time object detection system powered by machine learning.
- Designing and implementing an efficient video data processing pipeline using Python, OpenCV, and MongoDB.
- Achieved significant accuracy and performance improvements by implementing object detection algorithms with TensorFlow.

Dating Mobile Application

Jan 2023 - Present

Android Developer

Columbus, OH

- Conceptualizing and developing a mobile dating application for the Indian community.
- Programming core functionalities using Android Studio and Java to deliver a seamless user experience.
- Leveraging Firebase for real-time database storage and dynamic messaging features, resulting in increased user engagement.

Core Language Interpreter

May 2023 - Aug 2023

Software Developer

Columbus, OH

- Led the development of an extensive Core Language Interpreter project, emphasizing advanced features and enhancements.
- Constructed a Java-based parser and interpreter for precise parsing and execution of Core language programs.
- Expanded the project to incorporate new features, such as function definitions, function calls, garbage collection, and memory management.

Ruby on Rails Restaurant Review Application

Sept 2022 - Dec 2022

Full Stack Developer

Columbus, OH

- Spearheaded the agile development of a dynamic Ruby on Rails application for restaurant reviews and real-time waiting time tracking.
- Implemented RESTful APIs, ensuring user-friendly features and optimized performance through cached data retrieval.
- Designed and developed an intuitive user interface and integrated a robust database system.

WORK EXPERIENCE

The Ohio State University

Jan 2022 - Aug 2023

Undergraduate Teaching Assistant

Columbus, OH

- Contributed 15 hours per week as the Head Teaching Assistant for the Data Structures and Algorithms class.
- Managed a team of 5 teaching assistants, ensuring effective coordination and support.
- Oversaw grading responsibilities and organized the course structure for the class of 100 students.

Royalton Inn & Suites

May 2022 - Aug 2022

Web Developer

Upper Sandusky, OH

- Executed the conceptualization, design, and construction of a dynamic online presence for the hotel.
- Enhanced interactive features and optimized the user experience, resulting in increased website engagement and customer satisfaction.