

Soham Ovhal

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SUMMARY

I am a Computer Engineering Graduate with hands-on experience in software development and backend systems. Proficient in C++, C#, Java, Python with a strong foundation in Data Structures and Algorithms (DSA) and Object-Oriented Programming (OOP). Experienced in building full-stack features, integrating APIs, and deploying solutions using Microsoft Azure.

TECHNICAL SKILLS

- **Programming Languages:** C++, Java, C#, Python, SQL, JavaScript.
- **Software Development:** Object-Oriented Programming (OOP), Operating System(OS).
- **Web and Cloud Technologies:** React.js, Node.js, REST APIs, HTML5, Tailwind CSS, AWS.

EDUCATION

Pimpri Chinchwad College of Engineering(PCCOE) <i>Bachelor of Technology, Computer Engineering CGPA:- 8.01/10</i>	Pune, Maharashtra Dec 2021 - Jun 2025
Namo Rims Junior College <i>HSC Percentage:- 89</i>	Pune, Maharashtra Jul 2019 - Apr 2021
Hume McHenry Memorial High School <i>ICSE Percentage:- 82</i>	Pune, Maharashtra Jun 2009 - Apr 2019

EXPERIENCE

Software Development Intern <i>VSQUARE</i>	Feb. 2024 – Aug. 2024 <i>Remote</i>
<ul style="list-style-type: none">• Enhanced authentication security using regex validation and resolved software bugs.• Built a C#-Python integration bridge to enable cross-platform solutions.• Conducted debugging and troubleshooting to ensure application reliability.• Collaborated with cross-functional teams to deliver features meeting business requirements.	

PROJECTS

JotBoard – Notes Web App <i>React, Vite, Node.js, Express, MongoDB, TailwindCSS</i>	Live Website
<ul style="list-style-type: none">• Built a full-stack MERN notes application with CRUD features and a clean, responsive UI using React (Vite) and TailwindCSS.• Developed RESTful APIs in Node.js/Express and integrated MongoDB (Mongoose) for fast and reliable data persistence.• Implemented Upstash Redis rate-limiting to improve backend security, stability, and request throttling.	
ASUS Driver Helper Tool <i>C#, .NET, WinForms, PowerShell, JSON</i>	GitHub Link
<ul style="list-style-type: none">• Developed an automated driver management tool for Wi-Fi/Bluetooth using C#, PowerShell, and WinForms.• Implemented driver detection, version checks, and update tracking with WMI and JSON.• Enhanced UI and explored API-driven automation for seamless updates.	
MovieHunt <i>React.js, Tailwind CSS, TMDB API, Appwrite</i>	GitHub Link
<ul style="list-style-type: none">• Built a responsive movie search app using React.js and TMDB REST API.• Integrated Appwrite backend for authentication, secure logs, and analytics.• Applied React Hooks and modular components for UI and state management.• Secured API connections with authentication and environment variables.	
ECG Arrhythmia Classification <i>Python, TensorFlow, NumPy</i>	GitHub Link
<ul style="list-style-type: none">• Achieved 99.1% accuracy using a custom 1D ResNet model for ECG classification.• Implemented data preprocessing, filtering, and optimized train/test splits.• Designed and trained a deep learning pipeline including model design, tuning, and evaluation.• Benchmarked against CNN baselines, showing higher accuracy, reliability, and efficiency.	