Soham Ovhal

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Summary

I am Computer Engineering graduate with experience in software development, troubleshooting, and debugging using Java, C#, Python, and C++. Skilled in Agile methodologies, SDLC, and code reviews to deliver secure, maintainable solutions. Strong problem-solving and analytical skills with ability to work in cross-functional teams and meet customer requirements.

Technical Skills

- **Programming Languages:** Java, C#, Python, C++, SQL, JavaScript.
- **Web and Cloud Technologies:** React.js, Node.js, RESTful APIs, HTML5, Tailwind CSS, Microsoft Azure, Amazon Web Services (AWS).
- **Developer Tools & Platforms:** Git, GitHub, Visual Studio, VS Code, Postman.
- **Core Computer Science Concepts:** Object-Oriented Programming (OOP), Software Development Life Cycle (SDLC), Agile/Scrum Methodologies, Data Structures and Algorithms, Database Management Systems (DBMS), Troubleshooting, Debugging.

Education

Pimpri Chinchwad College of Engineering(PCCOE) — Pune, Maharashtra
Bachelor of Technology,Computer Engineering CGPA:- 8.01/10 — *Dec 2021 - Jun 2025*

Namo Rims Junior College — Pune, Maharashtra
HSC Percentage:- 89 — *Jul 2019 - Apr 2021*

Hume McHenry Memorial High School — Pune, Maharashtra
ICSE Percentage:- 82 — *Jun 2009 - Apr 2019*

Experience

Software Development Intern — Feb. 2024 – Aug. 2024
VSQUARE — *Remote*

- Developed and maintained software components across the **SDLC** in an **Agile** environment.
- 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.
- Used **REST APIs** and Postman for backend integration and testing.
- Collaborated with **cross-functional teams** to deliver features meeting business requirements.

Projects

ASUS Driver Helper Tool | *C#, .NET, WinForms, PowerShell, JSON* — GitHub Link

- 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**.
- Designed a **modular, scalable architecture** for maintainability and performance.
- Enhanced UI and explored **API-driven automation** for seamless updates.

MovieHunt | *React.js, Tailwind CSS, TMDB API, Appwrite* — GitHub Link

- 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 | *Python, TensorFlow, NumPy* — GitHub Link

- 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**.