

Soumyadeep Chatterjee

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Summary

Software engineer with a background in machine learning, IOS and full stack development. Skilled in Python, JavaScript, Swift and Java. Seeking to contribute to impactful software engineering projects in front-end, back-end, or AI roles.

EDUCATION

Master of Science, Computer Science, Wayne State University, GPA: 3.63/4.0

Detroit, MI

Coursework: Deep Learning, Design & Analysis of Algorithm, Parallel Computing, Machine Learning, Database Management Systems

May 2025

Activities & Societies: Society of Computer Developers, Wayne Hacks, AWS Cloud Club

PROFESSIONAL DEVELOPMENT

Apple Developer Academy, Participant

Detroit, MI

Participated in hands-on training for iOS app development, Swift, and Xcode.

May 2025

SKILLS

Development (JavaScript, HTML5, CSS3, Java, NodeJS), **DataBase** (MySQL, MongoDB), **FrameWorks/Library**: (Reactjs, Redux, JDBC, JSP), **AI/ML** (Python, Pandas, numpy, scikit-learn, TensorFlow, PyTorch), **Cloud & Mobile** (AWS, Swift, SwiftUI)

PROJECTS

Responsive Newsletter Project, Personal Project, [\[GitHub Link\]](#)

Nov 2024

- Built a **responsive newsletter builder** using **ReactJS**, **JavaScript**, and **Figma integration**, with **drag-and-drop template design HTML export**.

- Ensured **compatibility** with **Outlook**, **Gmail**, and **Apple Mail** through **responsive design** and **testing**.

BetterRest, Personal Project, [\[GitHub Link\]](#)

Oct 2024

- Developed an **iOS app** that predicts **optimal bedtime** based on user inputs using **Core ML** for **machine learning-driven predictions**.

- Implemented **regression analysis** to enhance accuracy and **privacy through on-device processing**.

iExpense, Personal Project, [\[GitHub Link\]](#)

Jan 2025

- Built a **SwiftUI-based iOS app** to manage **personal and business expenses** with **real-time budget tracking**.

- Implemented **data persistence** using **UserDefaults** and **Codable**, ensuring a **seamless user experience**.

- Designed **intuitive UI** with **dynamic categorization**, **visual indicators**, and **state management** using the **Observation framework**.

- Integrated **Charts framework** to visualize **expense breakdowns** with **dynamic sector charts** and **category summaries**.

WORK EXPERIENCE

Software Engineer, Allianz Technology

May 2021 -Dec 2022

- Led efforts to automate defect resolution processes for Allianz's ServiceNow platform using Java, JavaScript, and ServiceNow APIs, integrating cross-functional feedback to enhance policy management and claims handling, reducing system downtime by 15% and increasing internal user satisfaction by 25%

- Collaborated with a team of 5 developers to design and maintain Allianz's customer-facing insurance portal using HTML, CSS, JavaScript, ReactJS, and Bootstrap, improving ticket resolution times by 20%.

Software Developer, Qutrix

Dec 2022 -Mar 2023

- Revitalized the mortgage solution's user interface and experience using ReactJS, Redux, HTML, CSS, Metronic, and JavaScript; propelled the conversion rate by 20% and slashed the user error rate by 15%.

- Development of Staffatom, a staff automation portal, optimizing the multi-dimensional review system and dashboard, resulting in a remarkable 35% reduction in workforce schedule conflicts

Teaching Assistant, Wayne State University

Nov 2023 - Present

- Prepared and curated comprehensive study materials for AWS, Python, and Algorithms coursework, resulting in an average improvement of 15% in student test scores across all tutored subjects over a single semester.

College of Engineering Summer Camp, Wayne State University

Jun 2024 – Aug 2024

- Taught programming to K-12 students, designed engaging lessons, and hands-on projects.

ACHIEVEMENTS

Top Performer, Q1 2022, Allianz Technology (awarded for improving policy handling efficiency by 15%).

June 2022

CERTIFICATES

Machine Learning(Kaggle) | Pandas(Kaggle) | Supervised Machine Learning: Regression and Classification[\[Coursera Link\]](#)