Ekagra Gupta

+1 (602)-515-5268 • egupta3@asu.edu • Ekagragupta.com • Phoenix, AZ • LinkedIn: ekagra16

Software Developer Intern

EDUCATION

B.S. Computer Science   Expected Graduation: May 2026
Arizona State University | Tempe, AZ   GPA: 3.93/4.0
Relevant Coursework: Data Structures and Algorithms, Software Engineering, Operating Systems, Machine Learning, Object-Oriented Programming, Digital Design, Cloud Computing.

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, JavaScript, C, C#, Ruby, TypeScript, HTML, CSS, Golang, Swift, Bash, Shell, Rust
Frameworks & Libraries: Next.js, ReactJS, Bootstrap, Angular, Tailwind, Framer Motion, Flask, .Net, PyTorch, TensorFlow
Tools, Databases, and Software: MongoDB, MySQL, Linux, Unix, Ubuntu, Docker, Salesforce, GitHub, Git, AWS, Figma, Virtual box

WORK EXPERIENCE

Software Engineering Intern | Edupoint Educational Systems LLC   08/2024 - Present

- Assisted in developing SSO scripts using **ReactJS, Express.js and MongoDB** to help automate login processes for Synergy Learning Management System improving accessibility for **over 5.5 million students across 22 states.**
- Implemented a comprehensive student attendance tracking feature in Synergy using **C# (.NET) and SQL databases**.

IT Consultant | Enterprise Technology | Arizona State University   03/2023 – 08/2024

- Developed automation scripts in Python and conducted regular software updates to ensure smooth functioning of hardware and software systems, resulting in a **20% increase in system efficiency** and reduced manual intervention.
- Diagnosed and resolved over 200 complex technical issues on classroom computers running Windows and macOS systems, which enhanced faculty productivity and increased user satisfaction ratings by 25% in just one semester.

Undergraduate Teaching Assistant | Fulton School of Engineering | Arizona State University   01/2023 – 05/2023

- Spearheaded the development of **interactive tutorials and workshops in engineering** design and programming for 40 undergraduate students, resulting in a significant increase in their comprehension and hands-on application skills.
- Provided targeted technical support in **SolidWorks, JavaScript, and MATLAB**, enhancing project outcomes and helping students achieve an average of 15% higher grades in related assignments compared to previous semesters.

Software Engineering Intern | Carrier Air Conditioning India   05/2021 - 05/2022

- Designed and implemented **SQL and C++ based data management systems** to accurately track sales, returns, and inventory, enhancing stock management practices and reducing record discrepancies by 8%.
- Performed detailed code reviews and systematic debugging to optimize software algorithms, enhancing project efficiency and reliability, which contributed to **annual operational cost savings of about $110,000**.

Relevant Projects

ML/AI Web App: FocusTime AI| MediaPipe ML, TensorFlow, Flask, React
A full-stack, AI-driven web app developed with **Python and JavaScript, using React, Flask, and PostgreSQL**. The app integrates **MediaPipe Holistic** for extracting 471 key points (face, hand, body), and leverages **TensorFlow for real-time gesture** analysis to detect and address procrastination during study sessions.

Chess Arena | C++, React, CSS, HTML|
Developed a full-stack **web-based chess application, utilizing JavaScript** for dynamic frontend interactions and C++ for robust backend game logic. Successfully deployed and managed the application through Vercel, ensuring reliable gameplay.

ResQ |Python, NodeJS, ExpressJS, MongoDB, Flutter, Google Maps API | Smart India Hackathon
Developed a disaster management app for efficient collaboration among rescue agencies, utilizing **Python and Node.js for backend, Flutter for frontend**, and **Google Maps API** for real-time location tracking.

Leadership Experience and Certificates

Technical Officer | Google Developer Student Club   05/2024 - Present
Lead Software Developer | EPICS | ASU x OpenAI   01/2024 – 08/2024
Summer Research Assistant | Carnegie Mellon Department   06/2024 – 08/2024
Machine Learning Specialization | Stanford University| Coursera   05/2024
Cloud Developer Professional | Google Cloud | Coursera   03/2024