

AKSHATA GAWAS

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EDUCATION

Indiana University Bloomington

Master of Science in Computer Science | **GPA: 3.87/4**

Coursework: Algorithms, Software Engineering, Computer Networks, Artificial Intelligence, Data Mining, Network Security.

Bloomington, IN, USA

August 2022 - May 2024

University of Mumbai

Bachelor of Engineering in Information Technology | **GPA: 9.1/10**

Coursework: Data Structures, Object-Oriented Programming, Database Management, Operating Systems, DevOps.

Mumbai, MH, India

August 2018 - May 2022

TECHNICAL SKILLS

- **Languages:** Python, Java, C, SQL.
- **Frontend Technologies:** HTML, CSS, TailwindCSS, JavaScript, ReactJS, TypeScript.
- **Backend Technologies:** Spring Boot, Node.js, Express.js, Flask.
- **Databases:** MySQL, MongoDB, PostgreSQL.
- **Tools:** Git, Visual Studio, Eclipse, Postman, MySQL Workbench, Jupyter.
- **Other:** Docker, Kubernetes, Selenium, CI/CD, AWS, GCP, GitHub, Slack, OOP.

WORK EXPERIENCE

Indiana University Bloomington

Associate Instructor | Object-oriented Software Methods

- **Mentoring 80+ students**, leading hands-on labs, and assisting in teaching object oriented design patterns and their applications.

Associate Instructor | Elements of Artificial Intelligence

August 2023 - December 2023

- **Mentored 150+ students**, designed and assessed 3+ assignments, and raised engagement by 15% through office hours.

Tech For Good Inc.

Software Engineering Intern | Kubernetes, Ansible, Spring Boot, AWS, Azure, GCP

Remote, USA

June 2023 - August 2023

- **Led a cross-functional team** using Agile methodologies to automate post-build Kubernetes deployments and containerization (Docker) on AWS, Azure, and GCP to seamlessly integrate Ansible deployments with Kubernetes clusters, achieving **99.9% deployment uptime**.
- Collaborated with an external Machine Learning team to provision and manage spot instances, achieving a **cost reduction of 70%** compared to on-demand instances while focusing on optimizing deployment workflows.
- Streamlined the deployment process by creating and executing custom Ansible playbooks, leading to a **20% reduction in deployment time**.

Virtusa Private Ltd.

Full Stack Developer Intern | ReactJs, CSS, Spring Boot, RESTful APIs, MySQL

Remote, India

December 2021 - March 2022

- Collaborated with a team of 7 developers to build a production-ready service website using **ReactJS** as a frontend technology along with utilizing **Material UI library**, allowing users to book air-conditioner servicing appointments.
- Interacted closely with the 2 project managers and development team to devise software solutions, demonstrating effective communication and teamwork that improved team efficiency in **serving over 400 customers**.
- Affirmed adherence to **W3C web standards**, redesigned the front-end with visually appealing designs and updated the website according to ongoing trends to enhance the UX which led to **increased engagement by 35%**.

PROJECTS

Health Harbor | ReactJS, CSS, Spring Boot, RESTful APIs, MySQL, GCP

January 2023 - April 2023

- Deployed a healthcare website with **ReactJS** frontend, **Spring Boot** backend, enabling doctor appointments, insurance management, and integrated chat, resulting in a fully operational end-to-end solution that **served over 550 users**.
- Implemented **React hooks** for optimized state management and lifecycle, yielding a **20% boost in rendering performance** and **15% reduction in load times**.
- Incorporated **Google Maps API**, search features, and hooks for precise location display, alongside RESTful APIs and **2FA** for **enhanced security**.

Blogsite | ReactJS, Express.js, Node.js, MongoDB, RESTful APIs, GitHub

December 2023 - January 2023

- Developed "Blogsite," a blog platform with a **MongoDB database**, Express.js for server-side logic, **ReactJS** for the frontend, and Node.js for backend operations, enabling user registration/login, blog creation/editing, and viewing.
- Implemented **React hooks and time logs**, resulting in streamlined user interactions and **30% faster post management**.
- Achieved a **25% increase in user engagement**, enhancing overall user experience and productivity.

PUBLICATIONS

- Presented the pioneering research paper titled "**E-fresh: Computer Vision and IoT-based framework for Fruit Freshness Detection**" as one of the top 56 papers at the esteemed **ICAC3** conference, subsequently published in the prestigious **IEEE Xplore Digital Library**.