

# SATWIK BHASIN

New York | [satwikbhasin@gmail.com](mailto:satwikbhasin@gmail.com) | [satwikbhasin.com](https://satwikbhasin.com) | [linkedin.com/in/satwikbhasin](https://linkedin.com/in/satwikbhasin) | [github.com/satwikbhasin](https://github.com/satwikbhasin)

## EDUCATION

**Master of Science, Computer Science** **Graduated May 2024**

**University at Albany**, Albany, NY, USA

**Key Courses:-** Software Engineering, Data Mining, Operating Systems, Algorithms & Data Structures, Computer Organization, Artificial Intelligence, Database Systems

**Achievement:-** Won Outstanding Master's Capstone Award for AI integration in classrooms (UniChat - Linked Below)

**Bachelor of Technology**, Information Technology

**Graduated May 2022**

**Guru Gobind Singh Indraprastha University**, Delhi, India

## SKILLS

**Programming Languages:-** Java, Python, C, C++, JavaScript, TypeScript

**Databases:-** SQL (MySQL, PostgreSQL, SQLite), NoSQL (MongoDB, Redis), ORM tools

**Web Development:-** PHP, HTML, CSS, XML, React.js, Express.js, Node.js, Next.js, REST APIs, Responsive Design, Django

**Tools/Platforms/Frameworks:-** AWS(including serverless architecture), Git (GitHub, GitLabs), Spring Boot, Postman, Docker, MVC Architecture, Selenium, Google Cloud Platform

## EXPERIENCE

**Software Engineer Intern, SapidBlue Technologies, Haryana, India**

**May 2022 - Jul 2022**

- Developed user authentication microservices using the MVC pattern and Spring Boot.
- Improved microservices performance by integrating caching, cutting response times by 4ms.
- Teamed up with the testing group to deliver high-quality, bug-free software.

**Software Engineer Intern, India Meteorological Department, Delhi, India**

**Aug 2021 - Oct 2021**

- Cut data analysis time by 60% using GeoDjango, accelerating weather data insights.
- Enhanced visualization of meteorological statistics, including rainfall and storm data, resulting in more actionable maps.

**Software Engineer Intern, Steel Authority of India Limited, Delhi, India**

**Apr 2021 - May 2021**

- Designed and developed an employee portal, managing full-stack development including UI/UX.
- Implemented the authentication process using bcrypt password hashing.
- Displayed employee data in tables, improving accessibility and usability.

## PROJECTS (more on [satwikbhasin.com](https://satwikbhasin.com))

**Evalutron** [Next.js, Full-Stack Development, OpenAI's APIs]([Open](#))

**Mar 2024 - Mar 2024**

- Automated student submission grading using Prompt Engineering with OpenAI assistant, resulting in an 80% reduction in grading costs previously incurred by human graders
- Provided accurate and comprehensive grading feedback with just a question file, rubric, and submission

**UniChat** [Next.js, MongoDB, ChatGPT API, Google Auth/APIs, Vercel Deployment, Discord API, Session Management, CSS Tailwind]([Open](#))

**Jan 2024 - May 2024**

- Engineered an AI-driven platform for seamless collaboration on academic projects
- Integrated features such as group AI chat, AI-powered document collaboration, and Discord integration for team communication
- Received the Outstanding Master's Capstone Award for innovative AI integration in educational environments

**VirtualVault** [React.js, Bootstrap CSS, Express.js, MongoDB, AWS EC2 Deployment, AWS S3, Selenium]([Open](#))

**May 2023 - Aug 2023**

- Developed a user-friendly web-based platform to simplify the process of product advertising
- Enhanced businesses' advertising efforts by streamlining product catalog and contact management, facilitating effective audience targeting

**Piece - Social Media Player** [Java, MySQL, JavaFX, CSS, Scenebuilder, GitHub]

**May 2022 - Jul 2022**

- Engineered a desktop application merging music streaming with social media functionalities
- Designed and implemented a music player using JavaFX, creating an intuitive and visually appealing interface to enhance user experience and engagement.

## EXTRA CURRICULAR

**Teaching Assistant, CS Department - University at Albany**, Albany, NY, USA

**Jan 2023 - May 2024**

Responsible for assisting, grading, and managing graders for various courses including Algorithms & Data Structures[Master's Level], Data Mining, Database Systems, and Operating Systems while also offering dedicated student support during office hours for homework and exam preparation