

Tanmay Sharma

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EDUCATION

Indiana University

Expected Graduation: 2025

Bachelor of Science: Computer Science (A.I) and Mathematics, Minor in Engineering

GPA 3.72/4.00

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Options 101 (Akuna Capital), Data Management Systems, Object Oriented Programming, AI Programming (Nanodegree), Linear Algebra, Differential Equations, Discrete Mathematics, Cloud Computing, Computer Systems, Probability & Statistics

Activities & Honors: Luddy Scholar, AKPsi (Business Fraternity), TAMID (Director of Tech Education), Indian Student Association (Executive of Culture), Charity:Water at IU (VP of Expansion)

EXPERIENCE

PowerVoter (Startup)

May 2023 – Present

Full Stack Developer & Co-Founder

Cupertino, CA

- Demonstrated expertise in problem-solving and technical innovation in a fast-paced startup environment, contributing to the resolution of complex technical challenges, and enhancing the product's capabilities
- Played a crucial role in building towards frequent and reliable software releases, setting up and maintaining the CI/CD pipelines using Git, and accelerating the development cycle by consistently testing and adding features
- Contributed 7K+ lines of high-quality code to codebase via GitLab, also consistently contributing to code reviews

Envision Capital Management Group

December 2022 – Present

Quantitative Analyst

Bloomington, IN

- Applied, back tested, and created finance based mathematical algorithms in C# to gain positions/alpha on equities
- Created formal modeling of risk/return/trading cost profiles for equities and other firm-wide assets classes
- Implemented optimizations to boost web page load speed by 230%, which contributed to a 40% surge in page views
- Utilized Python open-source framework to architect and implement live leaderboard for the varying investment sectors, allowing all analysts to be educated on the status of their investments and their placement in the firm

CDK Global

May 2022 – August 2022

Software Engineer Intern

San Jose, CA

- Mercury Service API: Spearheaded the development of a highly available, scalable SaaS application, empowering clients to create, group, and validate teams, ensuring a seamless compatibility with our suite of Mercury apps
- Architected and implemented RESTful API with Spring Boot Server, Terraform, and AWS Lambda
- Generated live Terraform scripts by client to infrastructure GitHub Actions CI/CD workflow and instances
- Created content management system using Spring Boot Processor and Amazon Web Services/DynamoDB
- Developed live User Interface and authentication using ReactJS, Spring Boot, and tokens/validation

PROJECTS

marketer-ai | Javascript, OpenAI, ElevenLabs, Twilio, Git

- Leveraged AI and automation to revolutionize sales approaches, aiming for a future where cold-calling is completely automated and highly efficient [OpenAI: "text generation", ElevenLabs: "voice tuning", Twilio: "call function"]
- Tuned and trained the text generation model on a diverse range of real-world marketing strategies and cold-calling techniques, ensuring the generated scripts are persuasive, contextually relevant, and mimic successful sales tactics

Split | Python, Flask, Swift, TorchScript, Firebase

- Initiated and led a proficient team of 5 engineers to develop an iOS mobile app that innovatively enables a group of people to simplify splitting a food bill in unique dining scenarios with functionality to request the allotted amount
- Leveraged Machine Learning Text Recognition technology to accurately identify and extract names and prices from receipt images, arranged as JSON data; parsed then displayed data in an organized and visually appealing format

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, C#, JavaScript, TypeScript, HTML/CSS, Swift

Frameworks/Platforms: AWS, Node, Next, React, Flask, Spring, JUnit, Docker, Kubernetes, Terraform, Firebase

Libraries and Other Skills: PyTorch, pandas, NumPy, Matplotlib, Git, Linux/Unix, Agile Methodology, Jest, Jira, Postman, Data Modeling, DynamoDB, MongoDB, NoSQL, Embeddings, Stack Overflow