

# Jeet Hirenkumar Dekivadia

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## EDUCATION

### Georgia Institute of Technology

*Bachelor of Science in Computer Science*

May 2027

Atlanta, GA

- **Relevant Coursework:** Data Structures & Algorithms, Introduction to Object-Oriented Programming, Introduction to Discrete Math, Introduction to Computing, Linear Algebra and Vector Spaces, Introduction to Multivariable Calculus

## EXPERIENCE

### Software Engineering Fellow

July 2024 – August 2024

*HeadStarter AI*

*New York City*

- Engineered innovative AI solutions using NextJS, OpenAI, RAG, Pinecone, and StripeAPI, achieving combined userbase of 1000
- Orchestrated the development lifecycle from concept through deployment, applying MVC design patterns to enhance scalability
- Applied Agile methodologies and microservices architecture from industry experts at Amazon, Bloomberg, and Capital One
- Led hackathons, innovating and delivering AI projects under stringent deadlines, significantly advancing user-centric solutions
- Revamped UI/UX design based on iterative user feedback, leading to more engaging applications with higher user retention rates

### Machine Learning Researcher

November 2023 – December 2023

*Incognito Blueprints*

*New York City*

- Optimized operational efficiency by 25% through advanced tech integration for small businesses, utilizing MySQL as database
- Enhanced decision-making speed by 30% by deploying analytical tools, improving the quality and timeliness of business insights
- Boosted project outcomes by 20% by collaborating with cross-functional teams to generate reports and strategic suggestions
- Fostered innovation and team knowledge sharing by creating detailed research documentation, supporting ongoing processes

### App Development Intern

August 2023 – September 2023

*Cult.fit*

*Delhi, India*

- Increased user engagement by 15% by enhancing a fitness app for teens using React Native, resulting in better app functionality
- Elevated UX by 20% by working with the design team to implement user-friendly features and efficient navigation by everyone
- Refined app features by conducting user testing, incorporating feedback to enhance system performance and overall usability

### Data Science Intern

June 2023 – July 2023

*Samsonite*

*Delhi, India*

- Drove 10% increase in sales by analyzing data across Asia, providing actionable insights that influenced many business decisions
- Implemented predictive models with Tableau for advanced data visualization, supporting strategic decision-making processes
- Delivered critical analytical findings to senior management, driving data-informed strategies and enhancing overall effectiveness

## PROJECTS

### SmartPath AI | *Data-viz and Frontend Developer for Big Data Big Impact Club @ Georgia Tech*

August 2024 - Present

- Engineered an AI web application with React.js, Vue.js, Typescript, Python, and MongoDB, increasing platform engagement by 25% for students revising exam material.
- Developed a PDF parsing system that analyzed and summarized over 100,000+ pages of study material, enhancing users' learning efficiency by 35%.
- Utilized LLM models to generate personalized practice questions and explanations, improving retention and knowledge by 40%.

### SurgeVue | *PennApps XXV*

September 2024

- Developed an Augmented Reality (AR) app to assist surgeons in neurosurgical procedures, decreasing operation errors by 20% through real-time visualization.
- Integrated PyTorch, OpenCV, and Swift with IPU hardware, improving the app's speed and accuracy in detecting patient tumors by 30%.
- Secured Best Overall 3rd from 100+ teams and Best AR/VR Hack, demonstrating innovation in healthcare technology.

### NetGuardian | *Network Security Solution*

Acuity 2023

- Designed and deployed a network security solution that reduced security breaches by 40%, utilizing Python and Flask to detect and mitigate threats.
- Implemented machine learning algorithms to enhance threat detection speed by 30%, resulting in first place in a national security competition.
- Achieved a 98% threat detection accuracy, positioning the system as a leader in real-time protection.

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, SQL, JavaScript, HTML, CSS

**Frameworks and Libraries:** React, Node.js, Flask, PyTorch, NextJS, Firebase, OpenAI, StripeAPI, LangChain

**Developer Tools:** Git, VS Code, PyCharm, AWS (S3, SQS), DNS, GCP

**Technologies and Tools:** NumPy, Matplotlib, scikit-learn, Vectors, pandas, RAG, Auth