

KHUSHI TALAVIYA

Jersey City, NJ 551-689-6880 kushitalaviya0912@gmail.com [linkedin](#)

EDUCATION

New Jersey Institute of Technology <i>Master of Science in Computer Science</i>	May 2026 <i>Newark, NJ</i>
Narsee Monjee Institute of Management Studies <i>Bachelor of Engineering in Computer Science</i>	May 2024 <i>Shirpur, India</i>

SKILLS

Programming Languages: Java, Python, PHP, TypeScript, JavaScript, SQL
FrameWorks: Spring Boot, Spring MVC, Maven, Hibernate, JPA, AngularJS, React, Node.js, Bootstrap, Tailwind CSS
Tools: IntelliJ IDEA, VS Code, Git, GitHub, AWS, Postman, Figma, Tableau, Google Analytics
Tech Skills: MySQL, MongoDB, Apache Tomcat, JPA, Jira, Agile Methodology, SDLC, CI/CD Pipelines

EXPERIENCE

NJIT <i>Research Assistant</i>	April 2025 – June 2025
<ul style="list-style-type: none">Developed a Database Owner (DBO) Dashboard to securely manage outsourced data and client access rights, featuring a user-friendly interface for defining keyword-based access policies and monitoring file activity.Implemented secure data outsourcing using Shamir's Secret Sharing (SSS) to split and distribute the Access Control matrix, inverted indexes, and file contents, ensuring confidentiality against malicious servers.Optimized data structures and sharing processes to achieve query execution of 231.5 ms over 500,000 files and 5,000 keywords, demonstrating efficiency and scalability.	
BNP Paribas <i>Full Stack Java Developer Intern</i>	

BNP Paribas <i>Full Stack Java Developer Intern</i>	Jan 2024 – July 2024
<ul style="list-style-type: none">Engineered a Jira Tracker platform to automate task tracking, implementing CRUD operations and REST APIs, reducing manual effort by 30% and saving the team 5+ hours weekly.Redesigned user interfaces and removed redundant features, improving system performance by 15% and reducing code complexity for easier maintenance.Implemented an environment display feature in the navigation bar, improving user awareness and reducing errors by 10%, providing clear visibility of the active environment.Debugged and resolved a critical code-clashing issue, ensuring proper event handling and improving application stability.	

PROJECTS

Job Search App <i>Java, Springboot, React</i>	Oct 2025
<ul style="list-style-type: none">Developed a full-stack job search platform using React for the frontend and Java (Spring Boot, Spring MVC, Spring Data JPA) for the backend, enabling seamless interaction between users, companies, and reviews through 15+ RESTful APIsContainerized and deployed the application using Docker Compose, integrating PostgreSQL for production and H2 for local testing, which reduced setup time by 40% and improved environment consistency.Integrated automated email notifications using Spring Mail JavaMailSender to send application and registration updates, enhancing user engagement and communication reliability	
AI Price Estimator <i>Java, Springboot, AngularJS</i> (Project link)	

AI Price Estimator <i>Java, Springboot, AngularJS</i> (Project link)	Aug 2025
<ul style="list-style-type: none">Built a REST API-based AI estimator platform for luxury watches and jewelry, enabling instant valuations and capturing user submission data for business insights.Implemented a custom-trained OpenAI GPT-4o assistant for luxury item valuation; fine-tuned the model using internal reference data and user-submitted certificates/images, achieving an estimated 90–95% match rate with live market prices as of 2025Deployed it on AWS EC2 with a CI/CD pipeline (GitHub Actions) and integrated Supabase (PostgreSQL) as a cloud-hosted database	

Flight Fare Prediction <i>Python, Numpy, Pandas</i> (Project link)	Feb 2025
<ul style="list-style-type: none">Constructed a machine learning model to predict flight fares, achieving an accuracy of 82% and reducing fare overestimation by 15%.Processed and analyzed a dataset of 11,000+ records using Python, Pandas, and NumPy, and trained models like Random Forest Regressor and Decision Tree.Optimized model performance using hyperparameter tuning, saving users an average of 12% on flight costs.	