

# ZEEYA RAMANI (She/Her)

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## EDUCATION

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<b>Pace University, Seidenberg School of Computer Science and Information Systems</b> Master of Science (MS) in Computer Science   <b>Concentration:</b> Data Analyst	New York, NY May 2026
<b>Charusat University ,Devang Patel Institute of Advance Technology and Research</b> Bachelor of Technology (B.Tech) in Information Technology   <b>GPA:</b> 9.57/10.0   <b>Honor:</b> Hackathon Finalist 2022	Anand, India May 2024

## TECHNICAL SKILLS

**Programming Languages:** R(Beginner), C++, Python(Beginner), Java, Web Design (HTML,CSS,Javascript,Bootstrap)

**Database Management:** MySQL

**Data Visualization Tools:** PowerBI

**Libraries:** NumPy, Pandas, Matplotlib,Seaborn,Sklearn,dplyr,ggplot/ggplot2,shiny,plotly

**Certificate:** Data Visualization Using Python , Python Fundamental For Beginners, Fundamentals of Deep Learning (NVIDIA)

## WORK EXPERIENCE

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<b>Indian Space Research Organisation(ISRO)</b> Data Analyst/AI&ML Intern (R & D)	Ahmedabad, India May 2023 – Aug 2024
<ul style="list-style-type: none"><li>Prepared crop classification modules with Time Series C-Band EOS-04 data in R, improving crop area prediction accuracy by 30% for better agricultural planning.</li><li>Applied innovative analytical strategies, accomplishing a 25% enhancement in the reliability of crop classification algorithms for focused zones.</li><li>Created confusion matrices for both testing and training datasets, leading to a 25% improvement in model accuracy assessment.</li></ul>	

<b>TechieButler</b> FullStack Web Developer Intern	Bangalore, India Dec 2022 – May 2023
<ul style="list-style-type: none"><li>Developed a responsive and e-commerce web application using ReactJS, Vite, and Tailwind CSS, achieving a 25% increase in user engagement and a 30% reduction in page load time.</li><li>Integrated Razorpay for secure payment processing, handling over 500 transactions monthly and improving transaction efficiency by 40%.</li><li>Built a scalable backend architecture with Firebase, managing data for 1,000+ products and supporting up to 10,000 daily users, ensuring seamless operational performance.</li></ul>	

<b>SparksToldea</b> FullStack PHP&MySQL Intern	Ahmedabad, India May 2022 – Dec 2022
<ul style="list-style-type: none"><li>Developed a full-featured travel booking website using PHP and MySQL, implementing destination search, itinerary management, and booking workflows that handled 500+ bookings monthly.</li><li>Built a normalized MySQL backend with dynamic PHP queries for trip listings, user accounts, and reservations, reducing page load time by 30% through optimized queries and caching.</li><li>Integrated secure user authentication and a payment gateway into the PHP application, processing online transactions reliably and improving checkout completion by 25%.</li></ul>	

## ACADEMIC PROJECTS

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<b>NotifyEngine – Machine Learning Notification Routing System (MS Capstone, Pace University)</b>	Jan 2026 – May 2026
<ul style="list-style-type: none"><li>Developed an ML-powered notification routing system using XGBoost in a 7-member Agile team, serving as Developer and Data Analyst across 3 sprints of design, implementation, and stakeholder demos.</li><li>Built an interactive analytics dashboard in React to visualize notification delivery metrics and model performance, and implemented real-time delivery updates using Socket.IO.</li><li>Designed a Data Transparency reporting page providing users visibility into model inputs and predictions, strengthening data governance and user trust in automated decisions.</li></ul>	

### **Sales Data Analysis and Real-Time Dashboard Development for Retail Stores**

Feb 2023 – Dec 2023

- Conducted in-depth analysis and visualization of sales data from three retail locations using Power BI, identifying trends that contributed to a \$50,000 sales increase within three months.
- Designed and implemented real-time interactive dashboards to track 10+ store KPIs, reducing report generation time by 30% and improving operational efficiency by 20%.
- Guided actionable insights to a cross-functional team of 5 members, streamlining workflows and boosting team productivity by 25%.

### **Star bus for Public Transportation**

Oct 2022- Feb 2023

- Designed and developed a public transportation app using Flutter and Dart, delivering real-time updates for 50+ city bus routes and schedules, improving commuter planning efficiency by 35%.
- Implemented robust backend systems with NodeJS, GCP, and Socket.IO, processing data from 10+ sources and reducing data integration time by 25%.
- Optimized data handling workflows, achieving a 40% improvement in response time and enabling the app to scale to support 1,000+ daily active users with an intuitive interface.

### **ACTIVITIES**

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**IWD 2026 “Break the Pattern with AI” (Pace AI Lab x Women Techmakers),** Volunteer Organizer

Mar 2026

**Hackathon 2022,** Team Member

Oct 2022 – Feb 2023

**Google Cloud Career Practitioners,** Team Member

Nov 2022 – Jan 2023