

ANTARIKSH SANJAY PATIL

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EDUCATION

<b>Stevens Institute of Technology</b> <b>Master of Science in Software Engineering</b> <b>GPA 4.0/4.0</b> (Agile Methodologies, Software Requirements Engineering, Capstone Project, Software Architecture.)	<b>September 2023 - May 2025</b>
<b>Stevens Institute of Technology</b> <b>Graduate Certificate in Business Intelligence and Analytics</b> <b>GPA 4.0/4.0</b> (Marketing Analytics, Data Analytics with Machine Learning, Big Data, Web Mining, Supply Chain Analytics.)	<b>September 2023 - May 2025</b>
<b>Mumbai University, India</b> <b>Bachelor of Engineering in Computer Engineering</b> (Programming Languages, Database Management Systems, Data Structures, Microprocessors, Computer Networks.)	<b>August 2017 - June 2021</b>

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, SQL, SAS, JavaScript.
- **Frameworks & Libraries:** NumPy, Pandas, Flask/Django, AI/ML integration, Human-in-the-loop testing.
- **Web & Software Tools:** Git, Jira, Confluence, Tableau, Power BI, MS Excel.
- **Software Development:** Object-Oriented Design, Data Structures & Algorithms, REST APIs, Agile & Scrum, Backlog Management.
- **Other Skills:** UX Design Patterns, Project Management, Risk Assessment, Stakeholder Communication.

PROFESSIONAL EXPERIENCE

<b>Stevens Institute of Technology, Hoboken, NJ, USA</b> <b>Graduate Assistant, Office of Graduate Education   Skills: Slate CRM, MS Excel, Tableau, Research</b>	<b>April 2024 – May 2025</b>
<ul style="list-style-type: none"><li>• Owned data-driven process optimization for 15,000+ student applications using Slate CRM and Excel, reducing review time by 20% through workflow redesign.</li><li>• Partnered with leadership to prioritize initiatives, influencing scholarships and financial aid allocation for 500+ students.</li><li>• Converted stakeholder requirements into 50+ actionable backlog items, driving a 25% faster rollout of process improvements.</li></ul>	
<b>Converge EdTech, Mumbai, India</b> <b>Developer &amp; Analyst   Skills: Python, Java, SQL, HTML, Tableau, WordPress, AI Integration</b>	<b>July 2021 – June 2023</b>
<ul style="list-style-type: none"><li>• Developed full-stack applications using Python, Java, and JavaScript, building responsive frontends and optimized backends, reducing manual processing time by 30%.</li><li>• Designed and deployed RESTful APIs and optimized database queries, improving data accessibility and backend performance by 25–40%.</li><li>• Built interactive dashboards and automated data pipelines with SQL, Python, Tableau, and Power BI, enabling real-time insights and improving operational efficiency by 20%.</li><li>• Conducted unit testing, debugging, and AI/ML integration, increasing code reliability and predictive accuracy by 15–20% while reducing system errors.</li></ul>	

ACADEMIC PROJECTS

<b>Mind For the Blind</b>	<b>April 2025</b>
<ul style="list-style-type: none"><li>• Engineered a full-stack AI-powered assistive app (Python backend, JavaScript frontend) integrating ML/NLP and secure video communication, reducing user effort by 80% and increasing task completion speed by 50%.</li><li>• Orchestrated real-time voice guidance and backend pipelines, improving system responsiveness by 60% and ensuring 100% uptime during user testing.</li><li>• Directed Agile sprints with a 5-member team, delivering a functional prototype adopted by 100+ users, with 90% positive usability feedback.</li></ul>	
<b>NEUDECIPIER</b>	<b>April 2024</b>
<ul style="list-style-type: none"><li>• Architected backend ML pipelines in Python to process 40,000+ EEG signals, enhancing classification accuracy by 25% and reducing error rate by 15%.</li><li>• Designed a frontend dashboard for real-time visualization, improving interpretability and usability for end users by 30% and reducing user training time by 20%.</li></ul>	