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<b>Coding Experience:</b> <b>Codeforces:</b> <a href="https://codeforces.com/profile/jpandya1161">jpandya1161</a> <b>LeetCode:</b> <a href="https://leetcode.com/jpandya1161/">jpandya1161/</a> <b>CodingNinja:</b> <a href="https://www.codingninjas.com/@jaypandya">jaypandya</a>	<b>Education:</b> <b>M.S, Computer Science</b> <span>Expected Dec 2025</span> University of Texas at Dallas, TX, USA <span>CGPA: 3.67/4</span> <b>B.Tech, Computer Science &amp; Engineering</b> <span>June 2019 – May 2023</span> Charotar University of Science and Technology, GJ, India <span>CGPA: 3.76/4</span>
<b>Experience:</b> <b>Teaching Assistant – Computer Architecture</b> <span>Mar 2025 – Present</span> University of Texas at Dallas  <b>Intern – Backend Web Developer</b> <span>Dec 2022 – May 2023</span> Kintu Designs Pvt. Ltd. ( <a href="#">Link</a> ) <span>India</span> <b>Impact:</b> Updated <b>Node.js API</b> to the latest version, improving system performance by <b>15%</b> . Implemented <b>REST API functionality</b> using Express.js, handling <b>500+ requests per minute</b> with <b>99% uptime</b> . Integrated <b>Firebase</b> and <b>MySQL</b> , reducing query response time by <b>20%</b> . Customized middleware for <b>user, expert, and admin roles</b> , improving system scalability and security.  <b>Intern – Backend Web Developer</b> <span>May 2022 – July 2022</span> Perfect Software ( <a href="#">Link</a> ) <span>India</span> <b>Impact:</b> Developed a <b>Hospital Management System</b> that reduced patient registration time by <b>30%</b> . Implemented <b>OPD, laboratory, and inventory modules</b> , improving operational efficiency by <b>20%</b> . Designed a <b>user-friendly dashboard</b> , increasing staff productivity by <b>15%</b> .	
<b>Projects:</b> <b>French TutorBot (<a href="#">Link</a>)</b> <span>Mar 2025</span> <b>Technologies:</b> Python, Flask, JavaScript, OpenAI API, DeepL API, NLP <b>Impact:</b> Developed an interactive chatbot that achieved <b>92% accuracy</b> in French grammar correction and <b>88% precision</b> in mood-based response adaptation. Enabled <b>real-time conversation</b> and <b>dynamic feedback</b> using DeepL translation and OpenAI’s language models, enhancing language learning experience for non-native speakers.  <b>Graph Watermarking for Data Security (<a href="#">Link</a>)</b> <span>Nov 2024</span> <b>Technologies:</b> Python, Cryptography, Neo4j <b>Impact:</b> Developed a graph watermarking algorithm to embed <b>digital watermarks</b> into graph structures, ensuring data integrity and security. Achieved <b>95% accuracy</b> in watermark extraction, even after graph modifications like node/edge additions or deletions.  <b>Text Classification for Spam Detection (<a href="#">Link</a>)</b> <span>Sep 2024</span> <b>Technologies:</b> Python, Scikit-learn, NLTK, Pandas <b>Impact:</b> Achieved <b>90% accuracy</b> in spam detection using Logistic Regression and SGD Classifier. Improved model performance by <b>10%</b> through hyperparameter tuning and feature engineering.	
<b>Skills:</b> <b>Programming Languages:</b> Python, Java, C++, JavaScript, SQL, HTML, CSS, MIPS Assembly <b>Frameworks:</b> Node.js, Express.js, Flask, Git <b>ML/Data Science Tools &amp; Libraries:</b> Scikit-learn, NLTK, SpaCy, Transformers, OpenCV, XGBoost <b>Databases:</b> MongoDB, MySQL, PostgreSQL, Firebase, Neo4j <b>Big Data Tools &amp; Libraries:</b> Hadoop, PySpark, Kafka, HBase, Hive, Cassandra <b>Tools &amp; Platforms:</b> BotPress, Android Studio, Power BI, WordPress, Databricks	

