

# ADITHYA RAO KALATHUR

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## PROFILE

Passionate Full Stack Developer skilled in **Python, C/C++, Java, JavaScript, React.js**. Experienced in **web development, data analysis, cloud computing, and cybersecurity**. Enthusiastic about building scalable, efficient, and secure software solutions.

## EDUCATION

<b>Manipal Institute of Technology</b> <i>B.Tech. in Computer and Communication Engineering — CGPA: 7.06/10</i>	Udupi, India 2024
<b>Vidyodaya Pre-University College</b> <i>12th Standard (Science) — 93.83%</i>	Udupi, India 2020
<b>Little Rock Indian School</b> <i>10th Standard — 83.4%</i>	Udupi, India 2018

## TECHNICAL SKILLS

**Languages:** Python, C/C++, Java, JavaScript  
**Web Development:** React.js, Node.js, Express.js, HTML, CSS, Wix Studio  
**Databases:** MySQL, PostgreSQL, MongoDB  
**Cloud Services:** Google Cloud, AWS, Microsoft Azure  
**Security & Penetration Testing:** Network Security, Burp Suite, Wireshark, Kali Linux, Metasploitable  
**IDEs & Development Tools:** VS Code, IntelliJ IDEA, Android Studio, Cisco Packet Tracer, Keil uVision4  
**Data Science & ETL:** RapidMiner, Talend

## RELEVANT COURSEWORK

Data Structures & Algorithms, Operating Systems, Database Management Systems (DBMS), Computer Networks, Cloud Computing, Cybersecurity, Machine Learning Basics, Software Engineering, Web Security, Distributed Systems, Object-Oriented Programming (OOP), Computer Architecture, Data Mining

## PROFESSIONAL SKILLS

Problem-Solving, Critical Thinking, Analytical Thinking, Team Collaboration, Leadership, Adaptability, Time Management, Communication Skills, Attention to Detail, Decision-Making, Creativity, Work Ethic

## INTERNSHIP

<b>Thaniya Technologies</b> <i>Full Stack Web Development Intern</i>	Mangalore, India June 2023 – July 2023
<ul style="list-style-type: none"><li>Engineered a <b>React.js</b> and <b>PostgreSQL</b>-based movie recommendation platform to enhance user engagement.</li><li>Developed and optimized UI components, improving navigation efficiency by <b>30%</b>.</li><li>Designed and implemented backend APIs to enable personalized recommendations and sentiment-based review analysis.</li></ul>	

## PROJECTS

<b>Enhancing SQL Injection Detection</b> <ul style="list-style-type: none"><li>Conducted an empirical analysis of <b>SVM, Random Forest, and Hybrid SVM-RF models</b> to improve SQL injection detection.</li><li>Validated model performance, demonstrating that <b>Hybrid SVM-RF</b> achieved superior accuracy and precision.</li></ul>
<b>Movie Recommendation and Review System</b> <ul style="list-style-type: none"><li>Developed a scalable <b>React.js</b> frontend and <b>PostgreSQL</b> backend, seamlessly integrated via <b>REST APIs</b>.</li><li>Implemented an AI-driven recommendation engine, utilizing user reviews and ratings to enhance content suggestions.</li></ul>
<b>Video Game Sales Analysis</b> <ul style="list-style-type: none"><li>Performed an in-depth analysis of global video game sales trends using <b>Python</b> and <b>Pandas</b>.</li><li>Extracted actionable insights into sales performance across various regions, genres, and platforms.</li></ul>
<b>Resident Alert &amp; Complaint Management System</b> <ul style="list-style-type: none"><li>Designed and developed a real-time complaint management system leveraging <b>React.js</b> and <b>MongoDB</b>.</li><li>Implemented an intuitive admin dashboard to streamline issue resolution and improve response efficiency.</li></ul>

## CERTIFICATIONS

**Google Cybersecurity** (2024), **UC San Diego Big Data** (2023), **Google Data Analytics** (2024), **IBM Data Science** (2024)

## LANGUAGES

English (Fluent), Hindi (Fluent), Kannada (Native), Tulu (Native)