

JAKKULA NITHIN RAJ

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PROFILE

Aspiring IT professional with expertise in Python, SQL, machine learning, and data analysis, driven to solve complex problems, optimize processes, and deliver impactful solutions in fast-paced technical environments.

EDUCATION

Bachelor Of Technology / Computer Science and Engineering / Cyber Security, 2021 – 2025
Malla Reddy University Hyderabad, India
CGPA 8.66

Telangana State Board Intermediate Education / MPC, Sri Chaitanya Junior Kalasala 2019 – 2021
748 Hyderabad, India

SKILLS

Operating Systems: Windows, Kali Linux | **Frontend:** HTML, CSS, Bootstrap, JavaScript | **Backend:** Python, JAVA |
Databases: SQL ,mongoDB | **Soft Skills:** Communication, Team Management, Leadership, Problem Solving, Adaptability

PROJECTS

FIREGUARD: INTELLIGENT FIRE DETECTION USING MACHINE LEARNING FOR ENHANCED SURVEILLANCE
Developed 'FireGuard,' a real-time fire detection system using CNNs, trained on a dataset of thousand labeled fire and non-fire images to achieve high detection accuracy. Optimized for low-latency environments, ensuring seamless integration into advanced surveillance systems and rapid threat response.

Technologies used: TensorFlow, Keras, Pytorch, CNNs, Python, OpenCV, NumPy, Matplotlib, Seaborn

SECURE PASSWORD RECOVERY MECHANISM FOR ONLINE BOOK READING PLATFORM (Team of 4)
Designed a secure password recovery system for an online book platform, addressing critical risks to user data and platform integrity through enhanced security measures, ensuring data protection, user authentication, and access control.

Technologies used: HTML, CSS, Python, Apache Server, Rainbow Tables

PROFESSIONAL EXPERIENCE

Salesforce Developer Virtual Internship

During the 8-week virtual internship, mastering the following Salesforce Trailhead modules: Salesforce Fundamentals, Organizational Setup, Relationship & Process Automation, Types of Flows & Debugging, VS Code & CLI Setup, and Lightning Web Components & API.

Web Development Intern, Internpe - IT & Training company

Built web applications (calculator, e-commerce site, to-do list, Connect Four) using HTML, CSS, and JavaScript for responsive designs and functionality. Gained experience in front-end/back-end development, debugging, and testing.

CERTIFICATES

Cambridge English Empower level B2 Course. | **NPTEL:** Programming in JAVA & Data Analytics Using Python |
Coursera: Penetration Testing, Incident Response and Forensics, Wireshark for Basic Network Analysis, Python Data Structures, Learning Java wiith no prior experience | **Hacker Rank:** SQL(Basic) | **Accenture UK:** Introduction To Technology Apprenticeship Job Simulation by Forge, Data Analytics and Vizualization Job. | **Tata Forage:** Cyber Security Analyst Job Simulation

ACHIEVEMENTS

A-5 Day Boot Camp followed by 7 hours of Hackathon in Supraja Technologies

Achieved top performance in a digital forensics hackathon, leading to an internship selection in ethical hacking.

Internship Achievement in Ethical Hacking

Selected for an ethical hacking internship at Supraja Technologies following success in a digital forensics hackathon.