Pushkar Singh

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EDUCATION

VIT Bhopal University, Bhopal, Madhya Pradesh
B.Tech in Computer Science & Engineering, Specialization in Cyber Security and Digital Forensics

TECHNICAL SKILLS

Programming Languages: Java, Python, HTML, CSS, JavaScript, Solidity
Web Development: React, Next.JS, HTML, CSS, JavaScript
Blockchain Development: Solidity, Ethereum, ThirdWeb, MetaMask
Databases: MySQL, Appwrite
Tools: Twilio, Git
Languages: Hindi (Fluent), English (Fluent)

PROJECTS

CrowdS: A Web3 Blockchain Crowdfunding Platform (Blockchain Development) — Nov 24
- Implemented smart contracts using Solidity for managing certificate issuance and verification on the Ethereum blockchain, leveraging blockchain's immutability
- Provided functions with the help of ThirdWeb SDK to create new campaigns and manage them with payments
- Built a responsive front-end using React, providing a seamless and intuitive user experience across various devices
- Utilized MetaMask and ThirdWeb for managing wallets and blockchain payments
- Contributed as a part of a 4-person team focused on blockchain focused app

CareConnect: HealthCare application (Full Stack Development) — Aug 24
- Developed a full-stack healthcare web application using React.js, HTML, and CSS, boosting patient-doctor engagement by 40% through streamlined communication features
- Integrated Twilio for real-time appointment alerts and leveraged Appwrite for backend operations, cutting latency by 20% and optimizing data workflows
- Built a responsive UI/UX that drove 90% user satisfaction within the first two months post-launch

BlockSecure: Blockchain File Verification System (Blockchain Development) — Jan 25
- Developed core blockchain components using Solidity, creating smart contracts for immutable file verification
- Implemented SHA-256 hashing to ensure tamper-proof file integrity on Ethereum network
- Optimized transaction efficiency, reducing gas costs by 40% through batch processing techniques

ACHIEVEMENTS

- Hack Z'24 - Collaborated in the Hack Z'24 hackathon organized by the CSEA of Anna University Chennai developing a real-time crowdfunding platform termed as CrowdS and also won the first track prize in Blockchain Track   Nov 24

CERTIFICATIONS

- Completed Certified Ethical Hacker CEH v12 by EC-Council and Secured 121/125 marks   Dec 24
- Completed IBM Blockchain Developer by IBM   Apr 25

CO-CURRICULAR

- Led a peer team to First Prize in the Blockchain Track at Hack Z'24, a national-level hackathon hosted by Anna University, Chennai, standing out among 500+ submissions from 324+ colleges as part of a co-curricular achievement   Nov 24
- Participated as team member in Smart India Hackathon 2024 and created an AYUSH Startup Registration Portal aims to streamline the registration process for startups   Aug 24 - Dec 24

EXTRACURRICULAR

Keyboard Piano: Professionally trained in playing Keyboard Piano with Senior Diploma from Prayag Sangeet Samiti and performed in various events
Football Player: Participated as goalkeeper in inter school and district level football tournaments