

EDUCATION

<b>VIT Bhopal University</b> Integrated M.Tech in Artificial Intelligence Cumulative CGPA: 7.57	Expected June 2026 Bhopal, Madhya Pradesh
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PROJECTS

<b>Driver Drowsiness Detection (<a href="#">GitHub</a>)</b>   Python, CNN, Machine Learning <ul style="list-style-type: none"><li>Developed a real-time drowsiness detection system using <b>Python programming, OpenCV, Haar cascades, and a CNN model</b>, improving driver safety through machine learning techniques.</li><li>Implemented <b>face and eye detection with Haar cascades</b> to locate facial landmarks from live webcam feed.</li><li><b>Trained and deployed a CNN model to classify eye states (open / closed) with high precision.</b> Integrated an alert mechanism using playsound to trigger audio warnings during detected drowsiness events.</li><li>Achieved <b>92.25% accuracy on a diverse dataset by analyzing facial features in real-time.</b> Packaged and documented the project for team collaboration and easy deployment.</li></ul>
<b>Adaptive Learning Platform (<a href="#">GitHub</a>)</b>   MERN Stack <ul style="list-style-type: none"><li>Collaborated with a multidisciplinary team to build an <b>AI-powered adaptive learning platform</b> tailored to individual student needs in engineering education.</li><li><b>Implemented interactive modules, assessments, and collaborative projects</b> to enhance problem-solving and workforce readiness.</li><li><b>Integrated AI and Natural Language Processing (NLP) models</b> to support multi-language accessibility, eliminating language barriers for diverse learners.</li></ul>
<b>SmashStream (<a href="#">GitHub</a>)</b>   Javascript, HTML5, Node.JS, Express.JS, CSS <ul style="list-style-type: none"><li>Developed a responsive movie streaming web application utilizing <b>Node.js, Express.js, HTML5, CSS3, and JavaScript</b> to deliver seamless, subscription-free streaming.</li><li>Engineered a <b>custom Node.js backend</b> to efficiently serve video content, reducing load times by <b>40%</b> compared to standard streaming methods.</li><li>Implemented interactive <b>front-end features such as theme toggle, carousel,</b> and player controls using JavaScript.</li></ul>

CERTIFICATIONS

<b>IBM</b> Blockchain Developer <ul style="list-style-type: none"><li><b>Mastered blockchain fundamentals, including consensus mechanisms, enterprise blockchain solutions (IBM Hyperledger), and business applications.</b></li><li><b>Developed front-end web skills using HTML, CSS, and JavaScript,</b> including variables, operators, arrays, conditional logic, functions, and loops.</li><li><b>Explored back-end development with Node.js</b> to build dynamic blockchain applications.</li><li><b>Analyzed technical and economic models of Bitcoin and Ethereum,</b> gaining insights into public blockchain operations and their transformative potential.</li></ul>	Jan 2025 – Apr 2025
<b>Finlatics</b> Business Analytics <ul style="list-style-type: none"><li>Analyzed <b>state-wise tourism data using Excel and Power BI</b> to determine optimal hotel investment locations based on tourist influx, population, and climate conditions.</li><li><b>Cleaned and transformed raw datasets, removed outliers, validated entries, and used pivot tables</b> to uncover trends across climatic zones in Indian states.</li><li>Designed <b>interactive Power BI dashboards to evaluate customer behavior and tourism metrics,</b> driving data-informed business recommendations.</li><li><b>Identified Meghalaya as a strategic hospitality investment hub with a 524.8% growth in tourism;</b> provided actionable insights using data visualization and forecasting.</li></ul>	Sep 2023 – Nov 2023

SKILLS AND TECHNOLOGIES

<b>Programming Languages:</b> JavaScript, Python, Java, <b>Framework &amp; Tools:</b> NodeJS, ExpressJS, VS Code, Git, Docker, GitHub <b>Databases:</b> MySQL, MongoDB <b>Markup:</b> HTML5, CSS3 <b>Data Analysis &amp; Visualization:</b> Excel, Power BI <b>Soft Skills:</b> Problem-solving, Team collaboration, Technical documentation <b>AI/ML:</b> TensorFlow, OpenCV, CNN, Machine Learning algorithms
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