




PARTHIV KUMAR GUNJARI

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OBJECTIVE

Full-Stack Developer with hands-on experience in building responsive web and mobile applications using React.js, Node.js, MongoDB, and AWS. Proven success in projects like an e-commerce platform and university timetable generator, with strong skills in cloud deployment, DevOps, and Agile development. Eager to deliver impactful, scalable solutions in dynamic, team-driven environments.

SKILLS

Frontend Development	HTML5, CSS3, JavaScript (ES6+), React.js, Angular, Bootstrap, Android (Java, Android Studio)
Backend Development	Node.js, Express.js, PHP, RESTful API Design
Programming Languages	Python, JavaScript, Java, C++, C
Database Technologies	MySQL, MongoDB, Firebase, Database Design
DevOps	Docker, Jenkins, Kubernetes, CI/CD Pipelines
Cloud Platforms	AWS (EC2, S3, Lambda, RDS), GCP (Colab, Basics)
AI/ML Tools	Google Colab, Scikit-learn, Pandas, Matplotlib, Jupyter, TensorFlow (Basics)
Version Control	Git, GitHub, GitHub Deployment
Software Engineering	SDLC, Agile, Secure Software Dev, RTOS, System Architecture
Big Data	Hadoop (Basics), Data Modeling, NoSQL Concepts
Operating Systems	Linux, Windows

CERTIFICATIONS

AWS Cloud Practitioner: Demonstrated foundational knowledge of AWS cloud concepts, services (EC2, S3), security, architecture, and support.

Full Stack Web Development with React and Angular: Gained expertise in creating responsive web applications using React, Angular, Node.js, and Express.js, managing state, and integrating APIs.

PROJECTS

Android Application for Assisting Farmers in Regional Languages *Android Studio, Java, Python, CNN, Firebase*

Built a multilingual smart farming app to detect crop diseases, identify plants, analyze weather, and enable community support for farmers.

- Trained a convolutional neural network (CNN) to detect crop diseases with 92% accuracy and recommend precautionary measures.
- Implemented modules for identifying crop and flower species using image classification techniques.
- Integrated real-time weather updates and planning tools to help farmers make informed decisions.
- Developed a community feature for farmers to post problems and receive peer-to-peer assistance.
- Used Firebase for real-time data sync, multilingual content delivery, and cloud-based user management.

Full-Stack Portfolio Website with Cloud Deployment *React.js, Node.js, Express.js, Bootstrap, GitHub Actions, AWS EC2, GitHub Pages*

Revamped personal portfolio into a full-stack, cloud-hosted application showcasing frontend, backend, and DevOps capabilities.

- Migrated static HTML to a modular React.js SPA with reusable components and smooth UI animations.
- Developed Node.js + Express.js backend with RESTful API for contact form and email handling via SMTP.
- Deployed frontend on GitHub Pages and backend on AWS EC2 with Nginx reverse proxy and custom domain.
- Configured GitHub Actions for automated CI/CD workflows including build, test, and deployment.

- Enhanced SEO and performance using lazy loading, semantic markup, and accessibility optimizations.

Responsive Web Application for E-commerce (Ishop)

HTML, CSS, Bootstrap, PHP, MySQL

Developed a dynamic e-commerce website with responsive design and secure backend integration.

- Implemented product catalog, user authentication, shopping cart, and order processing with PHP and MySQL.
- Enhanced UI/UX using Bootstrap and ensured cross-browser compatibility.
- Improved page load speed by 30% through optimized queries and efficient asset handling.

Automated University Time Table Generator

PHP, MySQL, HTML, CSS, JavaScript

Created a backend-driven application for generating optimized, clash-free academic timetables.

- Designed a relational database in MySQL to manage faculty, subjects, classrooms, and schedules.
- Developed PHP logic to dynamically resolve scheduling conflicts based on availability constraints.
- Automated the timetable creation process, reducing manual planning time by 90%.

ACHIEVEMENTS

First Prize in 8-Hour Web Development Hackathon: Won first place in a competitive web development hackathon at the Institute of Aeronautical Engineering. Demonstrated strong problem-solving skills, creativity, and the ability to deliver high-quality, functional web applications under time constraints.

Third Prize in 24-Hour Lexicon 4.0 Hackathon: Secured second place in a 24-hour hackathon organized by the Career Development Center at IARE. Worked collaboratively in a team to design and develop a software solution, showcasing proficiency in coding, debugging, and adapting quickly to new challenges.

EDUCATION

Master of Science in Computer Science, University of North Texas

2023 - Present

Bachelor of Technology in CSE, Institute of Aeronautical Engineering

2019 - 2023