

# Akash Kumar

Delhi, India

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## SUMMARY

Full-Stack Web Developer Intern and B.Tech ECE student at Delhi Technological University with hands-on experience in React, Node.js, Express, MongoDB, and REST APIs. Skilled in building secure, scalable web applications with JWT-based authentication and backend integration.

## SKILLS

**Programming Languages:** JavaScript, Python, C++, HTML, CSS

**Frontend:** React.js, Tailwind CSS

**Backend:** Node.js, Express.js, REST APIs, JWT Authentication

**Databases:** MongoDB

**Core Concepts:** Authentication, Role-Based Access Control, API Integration, Data Structures, Streaming Data

**Tools:** Git, GitHub, Version Control

## EXPERIENCE

### Web Developer Intern

Aug 2025 – Oct 2025

*Meelance*

*Remote*

- Developed responsive and reusable UI components using React, HTML, CSS, and JavaScript
- Integrated frontend applications with RESTful backend APIs, improving data flow reliability
- Optimized website performance through asset compression and code minification
- Collaborated using Git and GitHub, handled pull requests, and participated in peer code reviews

## PROJECTS

### Authentication System

*React, Node.js, Express, JWT, REST APIs*

- Built a secure authentication system with user registration, login, and logout functionality
- Implemented JWT-based authentication with protected routes and role-based access control (RBAC)
- Designed REST APIs with proper validation, error handling, and session persistence
- Managed client-side authentication state for seamless user experience

### YouTube Video Downloader

*React, Node.js, Express, yt-dlp*

- Developed a full-stack application to download YouTube videos in multiple formats
- Fetched video metadata and dynamically filtered available resolutions
- Streamed media directly to the browser using Node.js stream piping
- Handled video-only, audio-only, and merged streams with robust error handling

### Calculator Application

*HTML, CSS, JavaScript*

- Designed a responsive calculator with swipe gesture support
- Implemented scientific operations including trigonometric functions
- Enhanced usability through calculation history tracking

### Personal Portfolio Website

*React, Tailwind CSS*

- Built a personal portfolio showcasing projects and technical skills
- Ensured responsive design and consistent UI across devices
- Focused on clean layout, smooth navigation, and interactive components

## EDUCATION

### Delhi Technological University

Delhi, India

*Bachelor of Technology in Electronics and Communication Engineering*

*Expected Graduation: 2028*

- CGPA: 8.4 — Ranked in top 20% of cohort
- Active member of GDG-DTU (Web Development Club)