

# Dhyan Kumar M

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## Objective

Full Stack Developer with proven experience building secure, production-grade web applications using the MERN stack and PostgreSQL. Pursuing B.E. CSE at Global Academy of Technology (CGPA **8.85/10**). Seeking a role to apply React, Node.js, cloud deployment, and database design skills in a high-impact engineering team.

## Education

### Global Academy of Technology

B.E. Computer Science & Engineering — CGPA: **8.85 / 10** — USN: 1GA23CS040

### Base PU College

Karnataka State Board, 2nd PUC — **87.5%**

### Bunts Sangha RNS Vidyaniketan

ICSE Board, 10th Standard — **89.5%**

Bengaluru, Karnataka

Sep 2023 – Jul 2027

Bengaluru, Karnataka

Jul 2021 – Mar 2023

Bengaluru, Karnataka

Jul 2008 – Mar 2021

## Technical Skills

<b>Languages</b>	JavaScript (ES6+), Python, Java, C
<b>Frontend</b>	React.js, HTML5, CSS3, Bootstrap 5, Responsive Design
<b>Backend</b>	Node.js, Express.js, REST APIs
<b>Databases</b>	MongoDB, PostgreSQL, Supabase
<b>Cloud/Deploy</b>	AWS, Netlify, Render, Vercel, Git & GitHub
<b>Auth/Security</b>	OTP Authentication, Digital Signatures, QR Code Verification, JWT

## Projects

### Student Certificate Management System | *React, Node.js, PostgreSQL, Supabase, AWS, Netlify* [🐙 GitHub](#) [🔗 Live](#)

- Built a full-stack university portal for issuing and managing bonafide certificates, internship letters, and transcripts with **role-based dashboards** (admin/student/staff).
- Implemented **OTP authentication, digital signatures, QR code verification**, and real-time multi-device sync using Supabase and AWS S3.
- Designed complete audit trail and document integrity system; deployed on Netlify (frontend) and Render (backend).

### Custom Shell Terminal with Voice Commands | *Python, Web Speech API, Node.js, Netlify, Render* [🐙 GitHub](#) [🔗 Live](#)

- Developed an advanced Linux-style shell terminal in the browser with voice command support enabling hands-free shell execution.
- Engineered multi-language voice-to-shell mapping using the Web Speech API and a Python backend, achieving **80% voice recognition accuracy**.
- Deployed full-stack with Python/Node.js backend on Render and React frontend on Netlify.

### AI Voice-Based Revision Assistant | *Python, NLP, Flask, React, Vercel*

[🔗 Live / Paper](#)

- Designed and deployed a full-stack AI voice assistant for academic revision with a React frontend and Flask/Python NLP backend.
- Research published in **IJISRT 2025**. [\[Read Paper\]](#)

## Work Experience

### Avinya Build AI

Machine Learning Intern [\[Verify\]](#)

Cupertino, USA (Remote)

Jul 2025

- Trained and fine-tuned ML models for **object recognition in architectural datasets**, achieving **85% accuracy**.
- Built optimized data preprocessing pipelines including cleaning, augmentation, normalization, and dataset splitting.
- Evaluated model performance using precision, recall, and F1-score against benchmark datasets.
- Maintained strict NDA compliance while working on proprietary datasets.

## Certifications

- Google Cloud Career Launchpad — Generative AI Leader Track** — Google Cloud, 2025 [\[Verify\]](#)
- GenAI Powered Data Analytics Job Simulation** — TCS Forage, 2025 [\[Verify\]](#)
- Operating Systems Basics** — Cisco Networking Academy, 2024 [\[Verify\]](#)

## Achievements

- Published Research Paper** in IJISRT 2025 on AI Voice-Based Assistants. [\[Read\]](#)
- CGPA 8.85/10** — consistent academic excellence at Global Academy of Technology.
- Google Cloud Generative AI Leader** — completed competitive cloud AI architecture track, 2025.