



Pratham Mishra

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EDUCATION

- **Amity University**, Jaipur, Rajasthan CGPA: 8.71/10.0 (5th Sem)
Bachelor of Technology in Computer Science and Engineering Sep. 2021 – Jul. 2025
- **The Doon Valley Public School**, Deoband, Saharanpur Percentage: 94.8%
12th CBSE Board; Non-medical 2021

WORK EXPERIENCE

Cogtix Solutions, Remote Aug. 2023 – Oct. 2023
Web Development Intern

- Worked on 5+ projects. Engineered an authentication page for an e-commerce platform leveraging NextAuth, Next.js, Typescript, Node.js and Mongoose.

THECYBERHOST, Remote Jul. 2023 – Aug. 2023
Cyber Security Intern.

- Conducted comprehensive tests on 3+ Android mobile applications, proficiently detecting and reporting bugs.

Entrepreneurship-cell, Amity University Jaipur Jan. 2023 – Mar. 2023
Team Leader, Finance and Corporate Affairs





- Directed financial planning and management for 15+ events organized by AUR's E-cell, overseeing resource allocation, and cultivating strategic partnerships with external entities.

SKILLS & PROFICIENCIES

Languages: Python, C++, JavaScript, TypeScript, SQL

Technologies & Tools: React.js, Next.js, Node.js, Express, Mongoose, Cron Jobs, Pandas, Git & GitHub, WebSocket

PROJECTS

- **Connext** [Link](#) 
 - Developed a comprehensive meetings and events reminder application that sends email notification using SMTP 1hr prior from the scheduled meeting time using Cron Jobs.
 - Tech stack used: Next.js, Typescript, Tailwind CSS, Mongoose, Express, Node.js, Cron Jobs, nodemailer.
- **JSON-weaver** [Link](#) : Engineered a program to convert .CSV data directly into a JSON response that can be used as an API within seconds. Tech stack used: Rust, Rocket web framework for JSON and APIs.
- **Strings** [Link](#) 
 - Designed a real-time code collaboration application that enables users to share, read and write code together in real-time enhancing coding experience.
 - Tech stack used: React.js, Codemirror, Socket IO, Node.js, Express.
- **cPulse** [Link](#) : Created a WhatsApp chat analyzer with Python and Pandas, providing detailed insights into chat statistics and usage patterns, enhancing communication analysis capabilities.

RESEARCH & PUBLICATION

DQRC Oct. 2023 – Dec. 2023
Data in Quick Response Code

- A lossless text compression and encryption algorithm utilizing bit fragmentation and defragmentation technique.
- Overperformed 25+ existing algorithms in terms of time efficiency and compression rates. Paper currently submitted for conference review.

ACHIEVEMENTS & CO-CURRICULAR ACTIVITIES

- Achieved Fast-track admission scholarship with 100% academic coverage at Amity University Jaipur.
- Participated in national-level under-17 football tournament conducted by the Central Board of Secondary Education in India.