

DIVYE PUGALOKE

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Education

Concordia University

Montreal, QC

Master of Applied Computer Science (MACS)

Sept 2022 – Dec 2024

- Relevant Coursework: Advanced Programming Practices, Distributed Systems, Computer Networks, Software Design
- Teaching Assistant for Data Structures and Algorithms

VIT-AP

Telengana, India

Bachelors of Computer Science

Sept 2018 - Aug 2022

- Relevant Coursework: Operating Systems, Database Design, Object Oriented Programming

Experience

Software Developer Intern

Jan 2022 – Aug 2022

9stacks

Delhi, India

- Coordinated with operations teams to streamline and enhance data streams, improving workflow efficiency
- Developed REST APIs and interactive dashboards using JavaScript to visualize data insights
- Built web applications and data visualization tools integrating with MongoDB and non-relational databases
- Created automated reporting systems with JavaScript frameworks for business intelligence

Data Analyst Intern

Aug 2021 – Nov 2021

Adieurable

Chandigarh, India

- Extracted, loaded and reconciled data across various platforms using automated R scripts and cron jobs
- Supported branding and digital marketing campaigns by analyzing engagement data from social media platforms
- Mined and visualized unstructured data using R programming and charts to identify business opportunities
- Provided customer support to internal and external customers while developing data solutions
- Trained team members on data handling procedures, R scripting best practices, and company policies

Projects

MarkIt | *Next.js, TypeScript, Supabase, Tailwind CSS*

2025

- Developed full-stack web application that revolutionizes digital bookmarking with AI-powered features
- Implemented Magic Save transcription technology that automatically extracts and categorizes content, reducing manual organization time by 80%
- Built semantic search functionality with AI-powered research assistance enabling natural language queries
- Created browser extension with data visualizations providing seamless bookmark capture and analytics

D0DSA | *React, Node.js, OpenAI API, Chrome Extension*

2025

- Architected comprehensive learning platform using React and Node.js to help students overcome DSA challenges
- Integrated LeetCode API synchronization allowing automatic tracking of user progress across platforms
- Built personalized dashboard system with smart problem filtering based on user skill level and learning goals
- Implemented AI-powered mock interview feature using OpenAI API with real-time feedback and assessment
- Created automated flashcard PDF generation system for offline study of complex algorithms

Frame Analysis | *JavaScript, NDNET, DASH Player, Python*

2024

- Developed ML-powered real-time gaming stream quality analysis integrated with DASH player
- Implemented live performance metrics system providing streamers with real-time feedback on stream quality
- Built JavaScript-based analytics dashboard displaying frame rate, latency, and quality metrics
- Integrated NDNET machine learning model for automated stream quality assessment and optimization
- Implemented chunking to process the DASH streams enabling better throughput

Technical Skills

Languages: JavaScript, Python, Java, R, SQL, Typescript, HTML/CSS,

Frameworks/Libraries: React, Next.js, Node.js, Express.js, Tailwind CSS, SpringBoot, Tensorflow.js

Databases: MongoDB, MySQL, PostgreSQL, Oracle

Cloud & DevOps: AWS (S3, EC2, Lambda, DynamoDB, CodePipeline, CloudFormation, BeanStalk) , Git, CI/CD

Tools & Technologies: REST APIs, Docker, Kubernetes, Chrome Extensions, OpenAI API, Framer Motion,

Certifications

AWS Certified Cloud Developer Associate – Amazon Web Services (2025)

AWS Certified Cloud Practitioner – Amazon Web Services (2025)