

# PALAK BATRA

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## Education

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**Deenbandhu Chhotu Ram University of Science and Technology,** August 2017 - July 2021  
B.Tech(Electronics and Communication)  
**RS Public Senior Secondary, Class XII (CBSE)** April 2014 - June 2016

## Experience

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**Software Engineer-2** Fidelity International Jan 2024 – Present

- Developed a micro-frontend integrated with Fidelity's website to display fund investment projections and enable CSV downloads using the MERN stack, AWS Lambda, API Gateway, and Terraform.
- Created core features such as export functionality, pagination, and seamless multi-platform integration.
- Optimized an API for DynamoDB by implementing parallel request handling, reducing response time from 4 seconds to 1–2 seconds and enhancing user experience by 50%.

**Software Engineer-1,** Fidelity International Oct 2022 – Dec 2023

- Contributed to a MERN stack-based micro frontend to digitize fund and account document delivery for Fidelity customers, streamlining document access.
- Owned and optimized critical features, including APIs for fetching categories and accounts, ensuring smooth UI display, and wrote comprehensive frontend unit tests to guarantee flawless functionality.

**Graduate Programmer,** Fidelity International Dec 2021 – Sept 2022

- Developed a Python Django web app to detect discrepancies in Fidelity fund factsheets by comparing data from Fidelity's and Morningstar's APIs, automatically flagging inconsistencies using Morningstar's data.
- Designed three intuitive screens presenting discrepancies in tabular, pie chart, and diagram formats, enhancing data visualization for business users and significantly reducing manual effort.

## Projects

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**Expense-Manager** | | MongoDB, Express.JS, React.JS, Node.JS, HTML, CSS, API Integration

- Designed and developed a comprehensive Expense Manager using the MERN stack to facilitate efficient financial tracking and management.
- Developed a responsive UI in React and efficient backend APIs in Node.js for seamless user experience and integrated MongoDB for efficient storage and retrieval of transaction data.

## Technologies

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**Languages:** C++, JavaScript, TypeScript, HTML, CSS, SQL, XML

**Frameworks:** Express.JS, Jest, Unix, React, Next, Jest, Node, Express, GIT

**Platforms:** Amazon Web Services (AWS)

## CERTIFICATIONS & ACHIEVEMENTS

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- AWS certified cloud practitioner [↗](#)
- Mentored students as a TA at Coding Ninjas, teaching Data Structures and Algorithms, and optimizing/debugging their code.
- Secured rank 1429 in TCS Codevita pre-qualifier round.
- **BrilliantatBasics Award:** Developed a reconciliation utility to automate trade matching, reducing manual effort significantly.