Abhishek Tiwari

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EDUCATION

- **Netaji Subhas University of Technology** — Delhi, India
  Bachelor of Technology - ECE with specialization in IoT Devices — June 2021 - June 2025

SKILLS SUMMARY

- **Languages:** C++, JavaScript, TypeScript, Python, SQL
- **Frameworks:** Node.Js, Next.Js, TailwindCSS, React.Js, Express.Js, FastAPI, MySQL
- **Tools:** GIT, VS Code, Google Chrome DevTools
- **Platforms:** Firebase, GitHub, Docker
- **Technical Skills:** Data Structure and Algorithm, Operating System, Computer Networking, Database Management System, Object-Oriented Programming (OOPs)

EXPERIENCE

- **Software Developer @ Text Blaze (YC-21)** — Remote
  Inter, Contributing to AI Blaze, a platform serving 10K+ users — Oct 2024 - Present
  - **YouTube support**: Developed YouTube summarization feature, reducing processing time for 2-day-long videos to just 1.5 seconds, outperforming competitors' 10-hour limits.
  - **Restore Container**: A session-based chat storage system for retaining user interactions during active sessions.
  - **Vision Support**: Added GPT-based visual understanding features to analyze and interpret image data.
  - **Refactoring and Optimization**: Fixed UI bugs like container behavior, enhanced features using modern CSS like Anchor Positioning API, and optimized interactions to prevent UI jump and caret misplacement.
  - **Testing**: Integrated Selenium tests and Vitest for both refactored and new features.

- **Back-end Development Intern @ Passbolt SA** — Remote Certificate
  Intern, Contributed to Passbolt — May 2024 - July 2024
  - **New Services**: Implemented 3 new services, *User Delete Service*, *Transfer Group Manager Service*, *Transfer Ownership Service.* to streamline user deletion and simplify role and access transfers, supporting over 25,000 organizations and 300,000 daily active users.
  - **Enhanced Code Quality & Test Coverage**: Refactored code with CakePHP and PHPUnit, enhancing maintainability, performance, and adding new tests for improved coverage.
  - **Technical Documentation**: Created clear and detailed documentation for new and updated test files and services, highlighting risk analysis, user story, update requirements, and final results.

- **Software Engineering Intern @ Meta (Facebook) Open-Source** — Remote Contribution Certificate
  MLH Fellow, Contributed to Glean.software — Sep 2023 - Dec 2023
  - **New Indexers**: Integrated SCIP-Python and .NET Indexer support. Engineered binaries, wrappers, and robust test cases for seamless and reliable integration.
  - **Enhanced Client Functionality**: Upgraded Glass client for SCIP-Python and .NET Indexers, ensuring stability through revised schema and exhaustive test cases.
  - **Technical Documentation**: Updated the documentation for SCIP-Python and .NET Indexer, enhancing Glean.software accessibility.

- **Google Summer of Code Mentee @ INCF, Paris** — Remote Contribution Certificate
  Student Developer, Contributed to BrianSimulator.org — May 2023 - Nov 2023
  - **VS Code Extension for Brian**: Developed a VS Code extension for the Brian neural simulator, adding syntax highlighting, checking, and auto-completion, improving the coding experience for 300+ users.
  - **.brian File Support**: Pioneered a brand-new file format, *.brian*, for defining neural models in Brian and integrated support for creating and editing these files into the Brian neural simulator.
  - **Language Server Protocol**: Defined a Language Server Protocol (LSP) using Python, including support for auto-completion and diagnostic features.

PROJECTS

- **CaloriCo (Python, FastAPI, JWT, MySQL, Nutrition API, PyTest)**: A health platform for personalised calories management, helping users track their daily intake and meet their calorie requirements   Link

- **GitSpotLight (Next.Js, TailwindCSS, GitHub API, Chart.Js, Firebase, GitHub Actions)**: Built from scratch, a portal to generate GitHub stats, compare stats and provides hiring solutions on basis of GitHub stats and contributions   Link

OPEN SOURCE CONTRIBUTIONS

- **Mozilla Firefox** — Contributions
  Worked on EsMification Project and database project. Solved 20+ Issues, Reported 2 Bugs — April 2023 - May 2023
  Skills: JavaScript, SQLite, XML

VOLUNTEER EXPERIENCE

- **Student Ambassador @ Microsoft Learn**
  Led 2 technical workshops reaching 150+ students on Microsoft technologies. — Jan 2022 - Jan 2023