

# MUHAMMAD BANGKIT DWI CAHYONO

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## EDUCATION

### Institut Teknologi Bandung

Aug 2021 – July 2025 (expected)

Bachelor of Engineering – BE, Computer Science, CGPA : 3.95/4.00

#### Relevant coursework

Algorithm & Data Structure, Formal Language Theory and Automata, Computer Organization and Architecture, Object-Oriented Programming, Software Engineering, Algorithm Strategies, Database, Operating System.

## WORKING EXPERIENCE

### Software Engineer, Arkavidia (Annual IT Events & Competitions)

Sep 2022 – Feb 2023

- Collaborated with a team of 20 people to successfully create main-event and sub-event websites, catering to **over 5.000** users.
- Worked as a Frontend Engineer utilizing **React, Typescript, Next.js, and Tailwind CSS** to develop engaging and responsive web interfaces.
- Developed and implemented a **login page, signup page, and a variety of components**, contributing to a comprehensive web development project.
- Utilized **Agile Scrum** practices, including sprint planning, weekly stand-up meetings, sprint reviews, and retrospectives within the **4-week sprint** cycles.

### Backend Developer Intern, Kabinet KM ITB

Oct 2021 – Apr 2022

- Collaborated with a team of 8 people to successfully create an Integrated Student Data Collection website used by the **entire campus community**.
- Worked as a Backend Developer, leveraging **Typescript and Prisma** to develop efficient backend solutions.
- Implemented the **Model-Routes-Controllers-Services** structure with **Prisma Client** to develop an organized and scalable backend model for the 'organization', promote modularity and ensuring separation of concerns for code.

## PROJECT EXPERIENCE

### ChatGPT Clone (<https://tubes3-13521055.vercel.app>)

May 2023

- Developed a ChatGPT clone app made using **Next.js, React, Typescript, Tailwind CSS, and MongoDB**.
- Implemented secure **authentication** for both the service and the user interface.
- Designed and optimized the **database model** for efficient data storage and retrieval.
- Created **RESTful API endpoints** to facilitate communication between frontend and backend components.

### Dosen Review Website (<https://github.com/bangkitdc/dosen-review>)

Aug 2022

- Developed a website for reviewing and providing feedback on lectures.
- Utilized **Javascript, Express.js, MaterialUI, and Redux** to build the application.
- Implemented a comprehensive set of features allowing users to effortlessly **submit and browse reviews**, while also incorporating **search and filter functionalities** to enhance user experience and facilitate easy navigation.

### Portfolio (<https://bangkitdc.github.io/portfolio/client/>)

Aug 2022

- A web-based portfolio using **vanilla HTML, CSS, and Javascript** without any external styling libraries.
- Implemented a **mailing list feature** by integrating a form submission functionality with **formsubmit.co**, allowing visitors to subscribe and receive updates directly through the portfolio website.

## SKILLS

### Programming Languages

: Javascript, Typescript, Java, C, C#, C++, Python, SQL.

### Framework

: React, Redux, Node.js, Next.js, Django, Flask, JavaFX, Tailwind CSS.

### Skills

: Native, Data Structures, Object-Oriented Programming, Web Development.

### Tools & Stacks

: Git, GitHub, Postman, Figma, MongoDB, MySQL, Prisma, MaterialUI.