Santana Mena

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I am a Computer Science & Data Science student at Bina Nusantara University with a strong interest in software engineering, artificial intelligence, and data science. I am passionate about building innovative solutions and eager to gain hands-on experience through an IT internship. Skilled in Python, machine learning, and app development, I aim to contribute effectively to impactful projects.

EDUCATION

Bachelor of Science in Computer Science   *Expected Graduation 2026*
BINA NUSANTARA UNIVERSITY

- **Honors & Awards:**
  - Finalist, ICPC Asia Jakarta National Contest
  - Finalist, ICP Hacker House 2024
  - Finalist, Duta Bahasa Jawa Barat 2023
  - Outstanding Student Award, Binus University
  - Record of Achievement, Exploring SAP Analytics Cloud
- **Clubs:** Himpunan Mahasiswa Informatika (HIMTI), Bina Nusantara Computer Club (BNCC), Google Developer Student Club (GDSC), BINUS English Club (BNEC)

EXPERIENCES

APSKI International Conference on Entrepreneurship (APSKI-ICE)
Bandung, Indonesia | Committee Member | May 2023
Supported event planning and execution, contributing to the successful organization of the conference.

IN2FOOD International Student Competition
Bandung, Indonesia | Committee Member | August 2023
Organized event logistics and facilitated participant activities, enhancing the competition experience.

BINUS English Club
Bandung, Indonesia | Staff of Branding and Public Affairs (BPA) | September 2022 – September 2023
Managed branding and public affairs, strengthening the club's engagement and visibility within the university.

BANK BJB
Bandung, Indonesia | November 2023
Applied creative problem-solving to enhance promotional strategies, resulting in successful marketing campaigns.

PT. Almal Solutions
Bandung, Indonesia | Business Analyst | June 2024
Developed an audit trail management system, managing business analysis development to ensure functional and secure operations.

PROJECTS

Simjang - Heart Disease Prediction App   *2024*
Role: Lead Developer
- Designed and developed a heart disease prediction application using Streamlit.
- Implemented a Random Forest machine learning model to predict heart disease likelihood based on user input.
- Developed interactive visualizations and a confusion matrix to enhance user experience and assess model performance.

Identik - Decentralized Identity Management Platform   *2024*
Role: Lead Developer
- Built a decentralized identity management platform using Motoko Backend and Vanilla JS.
- Engineered features for secure personal data management, allowing users to generate unique ID addresses for seamless integration with companies.
- Focused on optimizing security and privacy to safeguard user data.

Glycora - Diabetes Prediction App   *2024*

Role: Lead Developer
- Developed a diabetes prediction application leveraging Streamlit and machine learning.
- Integrated personal health data input to provide real-time diabetes risk predictions.
- Created a data exploration page with a confusion matrix to evaluate model performance and visualize key health metrics.

SmartTraffic - AI-Powered Traffic Light System   *2023*

Role: Lead Developer
- Developed an AI-based traffic light system using Python, optimizing urban traffic flow.
- Implemented real-time adjustments to traffic lights, improving traffic safety and efficiency.

EaseNeura - Mental Health App   *2022*

Role: Lead Developer
- Built a Flutter-based mental health app connecting users with mental health professionals.
- Integrated features for meditation, mood tracking, and self-care tools to improve user well-being.

EasyPick - Restaurant Reservation App   *2023*

Role: Lead Developer
- Developed a restaurant reservation app in Java, streamlining the reservation process.
- Designed the app to be user-friendly, simplifying the dining experience through seamless booking functionality.

DataBook - Library Management System   *2023*

Role: Lead Developer
- Created a library management system using PHP to automate book lending and record handling.
- Focused on long-term scalability and efficiency in managing library resources.

SKILLS

Technical Skills
- Programming Languages: Python, Java, JavaScript, C/C++, PHP, Dart, HTML, CSS/SCSS.
- Frameworks & Libraries: Django, Streamlit, Node.js, Flutter, OpenCV.
- Database Technologies: MySQL, PostgreSQL.
- Cloud & Tools: AWS, RESTful APIs, Git, Figma.
- AI & Machine Learning: Model development, data analysis, predictive analytics.

Soft Skills
- Problem-solving and critical thinking.
- Team collaboration and project management.
- Communication and public speaking (e.g., from BNEC and Duta Bahasa experience).