NUR AHMAD KHATIM

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SUMMARY

Enthusiastic and highly motivated Informatics Engineering student with exceptional problem-solving skills, seeking new challenges in software engineering and Artificial Intelligence research.

EDUCATION

Bachelor Degree in Informatics Engineering   Aug 2019 – Sep 2023

Department of Informatics Engineering, Faculty of Intelligent Electrical and GPA: 3.73/4.00
Informatics Technology (ELECTICS), Sepuluh Nopember Institute of
Technology (ITS), Surabaya, Indonesia
Thesis: 1D-CNN Implementation for Automatic Epilepsy Detection in EEG Signals Based on Interictal Epileptiform Discharge (IED)

PROFESSIONAL AND ACADEMIC EXPERIENCE

Software Maintenance Staff JR.   Nov 2023 – Present

DataOn-Humanica, Banten, Indonesia

- Resolved 20-30 issues monthly, ensuring smooth functionality and customer satisfaction.
- Collaborated with development and implementation teams to provide effective solutions.

Research Assistant   Oct 2023 – Jan 2024

Stanford Intelligent Systems Laboratory (SISL), Stanford University, Remote

- Co-authored a paper on "Toward an Integrated Decision-Making Framework for Optimized Stroke Diagnosis with DSA and Treatment under Uncertainty" securing research funding and acceptance at IMIP 2024 conference in Bali.

Software Engineer Freelance   Dec 2022 – Oct 2023
Software Engineer Intern   Jul 2022 – Dec 2022

Suitmedia Digital Agency, Indonesia

- Managed database migrations and developed IDX-SPOP Trading Operation Support System using C# and .NET framework.
- Implemented new features, conducted testing, and maintained existing functionalities.

Mobile Development Cohort   Feb 2022 – Jul 2022

Bangkit Academy led by Google, Tokopedia, Gojek, and Traveloka Indonesia

- Completed Android developer learning path and collaborated on developing Relasia, an app connecting people with volunteers using machine learning and cloud computing.

Data Structure Teaching Assistant   Feb 2022 – Jun 2022
Data Structure Teaching Assistant   Mar 2021 – Jul 2021

Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia

- Delivered data structure modules biweekly in laboratory sessions with 36 participants.
- Mentored participants in practical tasks, enhancing learning outcomes.

Programming Instructor   Sep 2021 – Sep 2021
HMTC Goes To School, Surabaya, Indonesia

- Delivered C/C++ programming language instruction to 25 participants of high school students, designed practical assignments, and facilitated learning.

Contest Problem Setter   Apr 2021 – Oct 2021
Schematics National Programming Contest ITS, Surabaya, Indonesia

- Created contest problems and managed final round proctoring, ensuring smooth contest operations.

Partnerships and Programs Team   Oct 2021 – Jul 2022
Google Developer Student Club ITS, Surabaya, Indonesia

- Organized club activities and events, collaborating with partners to enhance member engagement.

ORGANIZATIONAL EXPERIENCE

Student Managerial Trainer   Sep 2021 – Jul 2023
Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia

- Served as a speaker and facilitator at department and faculty-level training events.
- Managed participant selection and coordinated training programs.

Co-Head of Student Resource Development Department   Mar 2022 – Jan 2023
Staff of Student Resource Development Department   May 2021 – Jan 2022
Students Association of Informatics Engineering (HMTC), Sepuluh Nopember
Institute of Technology (ITS), Surabaya, Indonesia

- Conducted orientation activities, organized meetings, and facilitated regeneration forums within the student association.

Co-Head   Mar 2022 – Jan 2023
Muslim Students Association of Informatics Engineering (KMI), Sepuluh
Nopember Institute of Technology (ITS), Surabaya, Indonesia

- Monitored activity progress and scheduled evaluations, ensuring efficient operations.

Staff of Human Resource Development Department   Mar 2020 – Feb 2021
Jamaah Masjid Manarul Ilmi (JMMI), Sepuluh Nopember Institute of
Technology (ITS), Surabaya, Indonesia

- Monitored members' participation in worship activities and coordinated Islamic studies training sessions for new students.

VOLUNTEERING EXPERIENCE

Committee of Public Relation Division   Jan 2022 – Feb 2022
General Election Commissions (KPU), HMTC ITS, Surabaya, Indonesia

- Communicated election-related broadcasts and coordinated with divisions for publication of election events.

Committee of Web Division   Feb 2021 – Mar 2021
General Election Commissions (KPU), HMTC ITS, Surabaya, Indonesia

- Coordinated voting website activities and moderated panelist debates for student association chairman candidates.

Committee of Kajian Organizing Division   Apr 2020 – Jun 2020
Ramadan on Campus (RDK 41), Sepuluh Nopember Institute of Technology
(ITS), Surabaya, Indonesia

- Managed online Islamic study sessions during Ramadan, communicated with speakers, and published session broadcasts.

CERTIFICATIONS AND ACHIEVEMENTS

Associate Android Developer   Nov 2022 – Nov 2025
Google Developers, Credential ID: 61439307

Intermediate Android Application Development   Jun 2022 – Jun 2025
Dicoding Indonesia, Credential ID: EYX426R0RZDL

BARISTA Program - Research Assistance for Research and Innovation Talents   2023
National Research and Innovation Agency (BRIN)

SKILLS AND TECHNOLOGIES

- Programming Languages: C#, C++, Python, Kotlin, Golang, Julia
- Web Development: ReactJS
- Database Management: PostgreSQL, MySQL
- Frameworks and Technologies: .NET Framework, Entity Framework, Android SDK
- AI and Machine Learning: TensorFlow, Scikit-learn, POMDPs.jl
- Other: Linux, Docker