

FRIDOLIN PAIKI

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SUMMARY

I am a machine learning engineer with a background of over 10 years in full-stack software development and data analysis. Experienced in preparing data, training and validating machine learning models, integrating models into production-ready applications, and collaborating with stakeholders to turn analytical results into practical solutions. Motivated to keep learning and to contribute to teams working on data-driven products and intelligent systems to help solve real-world problems and support data-informed decision-making.

EDUCATION

Northeastern University - College of Engineering <i>PhD Candidate. in Computer Engineering (GPA: 3.73)</i>	09/2023-present
Northeastern University, Boston, MA - College of Engineering <i>Master of Science in Information Systems (GPA: 3.75)</i>	09/2009-05/2011
IPB University, Bogor, Indonesia - Department of Computer Science <i>Bachelor of Computer Science (GPA: 3.22)</i>	09/2002-09/2006

WORK EXPERIENCES

May 2025 - Dec 2025	AS Process Development Intern Amgen Massachusetts <i>Cambridge, MA</i> <ul style="list-style-type: none">Working on a system to standardize and automate frequent report creation for assay report, streamline report customization and improving report generation efficiency by 20-30%.
Jan 2025 - May 2025	Teaching Assistant EECE 2160 Embedded System: Enabling Robotics, Northeastern University <i>Boston, MA</i> <ul style="list-style-type: none">Facilitated and assisted 66 students in their learning during lab and office hours.Helped professor in grading assignments, quizzes, and exams.
Sep 2016 - May 2019, Oct 2021 - Dec 2022	Unit Head Information and Technology Center, Universitas Papua <i>Manokwari, West Papua</i> <ul style="list-style-type: none">Led a team of engineers to manage, monitor, and maintain 10+ university internal systems, including the Learning Management System (Moodle), Academic Information System, Research and Community Development System, Faculty Information System, and Master Data Management platform.Performed business and data analysis, documented requirements and system designs, created user documentation, and developed test plans and test cases to support new and existing systems.Provided technical support to students, faculty, and staff at UNIPA, troubleshooting and resolving software, hardware, and networking issues to ensure reliable system operation.
Aug 2014 - Aug 2023	Assistant Professor Faculty of Engineering, Universitas Papua <i>Manokwari, Indonesia</i> <ul style="list-style-type: none">Taught courses in software engineering and information system.Performed research in the areas of software engineering, information systems, data analytics, and IoT.Collaborated with professors and faculty, inside and outside university, in community development.
Apr 2013 - Aug 2014	IT Business Alliance Operation Division, Bank BTPN <i>Jakarta, Indonesia</i> <ul style="list-style-type: none">Manage IT projects from kick-off until closing by defining WBS, allocating resources efficiently, defining change and risk management. Some of the projects are the Web Portal and Dashboard, the Integrated Reconciliation System, the Operational Data Mart, and CASTRO.Collaborated with business users, IT units, and vendors in providing banking solutions for the Business Operation Division.Tracked and monitored projects including providing weekly reports to PMO and stakeholders.These projects have improved daily performance monitoring Division of Operation at the BTPN Bank.
Apr 2012 - Mar 2013	IT Project Supervisor IT Architect Section, PT Ajinomoto Indonesia <i>Jakarta, Indonesia</i> <ul style="list-style-type: none">Led a team of 4 to manage IT projects from kick-off until project closing by defining WBS, allocating resources efficiently, defining change and risk management. Some of the projects are the Web Daily Monitoring System, Handy Terminal System, OLAP, HULFT, and Web Portal. Technologies involved are .NET, SSIS, SSRS, SAP, RFGen, Oracle BI, and HULFT.

- Collaborated with business users, IT users, and vendors in providing business solutions, specifically in supply chain management.
- Technologies involved are .NET, SSIS, SSRS, Pentaho BI, Liferay, and Java.
- Tracked and monitored projects including providing weekly reports to the IT department head.

TECHNICAL SKILLS

Python	PyTorch, TensorFlow, Numpy, Dash, Scikit-Learn, Django
Java/C++	Object-oriented programming, Spring Boot
Misc.	SQL, Laravel

HONORS AND AWARDS

2023	LPDP Scholarship Awardee Ministry of Finance, Indonesia
2009-2011	Fulbright Fellowship Awardee US Department of State

INTERESTS

Traveling, photography, and hiking