

FILINA NURCAHYA

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Work Experience

AT&T, Dallas, TX

TDP Senior Specialist Engineer II – CDO Data Product Engineering Team (Big Data Engineer) – 2024 - Present

- Design and implement a comprehensive data product that facilitated the testing of new application features, increasing the speed of feature validation by 100%.
- Create detailed, customizable reports in PowerBI that allowed stakeholders to monitor feature performance metrics, leading to a 50% improvement in feature optimization.
- Automate customer analytics processes, enabling daily checks instead of manual reviews, which reduced the workload by 80%.

TDP Senior Specialist Engineer II – CSR Carbon Analytics Team (Data Engineer) - 2023 – 2024

- Engineered a consolidated dataset to address complex carbon footprint requests from AT&T Business Customers. Integrated millions of network records with equipment electrical requirements within the Palantir DEEP platform, enabling connection to PowerBI.
- Led a data engineering initiative to consolidate network data, enhancing experimentation and analysis. Saved \$144,000 in consultant fees by optimizing time and leveraging existing tools for sustainability projects.
- Designed and managed the primary PowerBI dashboard, overseeing both backend and frontend operations. Equipped a team of six to utilize it as their main tool for experimentation.

TDP Specialist Engineer I - CDO Fraud ML Team (Data Scientist) – 2023 – 2024

- Executed the development of three advanced machine learning models to detect social engineering. Achieved a sevenfold improvement in model performance, resulting in potential annual cost savings of approximately \$800,000.
- Initiated an email alert system for the fraud management team, automating over 500 weekly stops of social engineering events, each averaging \$1,100 in savings. Saved 20+ hours of manpower weekly and successfully implemented the project into production.
- Directed data migration and storage optimization, achieving a 40% cost reduction by managing and validating 6 terabytes of data.

Education

University of California, San Diego

Master's degree, Data Science

GPA: 4.0 (Expected 2025)

The University of Texas at Austin

Bachelor of Science in Computational Biology, Bachelor of Science in Mathematics

GPA: 3.93

Certificate in Applied Statistical Modeling

Leadership and Community

Lead of TDP IoT Lab (2nd half of 2023), Scrum Master for Broadband Product AnalyzeThis Team (1st half of 2023), TDP UI/UX Operations Member

Additional

Computer Languages: R, Python (PySpark), SQL, Spark, MATLAB

Computer Software: Palantir DEEP, Azure DevOps, Azure Databricks, Azure Blob Storage, PowerBI, Figma, Microsoft Office Applications, Power Automate, Jira, Git, Driverless AI, H2o, Snowflake, Amp, MongoDB, Tableau

Skills: Data Engineering, Big Data, Data Science, NLP (Natural Language Processing), Project Management, Data Visualization, Machine Learning, Cloud Computing, Database Management, Data Mining, Feature Engineering, Agile

Languages: English (Native), Bahasa Indonesia (Proficient)

Awards: AT&T Connection Award (2023), UCSD HDSI Departmental Scholarship Recipient (2023-2025)