

Early Stage Detection of Alzheimer Disease with Blood Plasma Proteins using Support Vector Machine

Shital P. Chattar¹, Snehal D. Ile², Sanika R. Jinde³, Tanishka S. Kadam⁴, Shreeya D. Kale⁵

Professor, Department of Computer Engineering¹

Students, Department of Computer Engineering^{2,3,4,5}

Pimpri Chinchwad Polytechnic, Pune, Maharashtra, India

ghanwat.shital@gmail.com, snehalile@gmail.com, sanuujinde@gmail.com,

tanishkadam510@gmail.com, siyakale17@gmail.com

Abstract: *This study aims to find an effective method for early detection of Alzheimer's disease (AD) by identifying blood-based non-amyloid bio-markers. [1] Current diagnostic methods focusing on amyloid-based markers have limitations in providing detailed information about the disease and detecting it in the early stages. The researchers used machine learning techniques, specifically support vector machines, to analyze complex data and identified five panels of non-amyloid proteins as potential bio-markers for early AD. [2] This approach using non-amyloid bio-markers demonstrates promise for early Alzheimer's detection compared to existing machine learning models. [3].*

Keywords: Alzheimer's disease, blood bio-marker, dementia, machine learning, support vector machine.

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